

FIG. 1

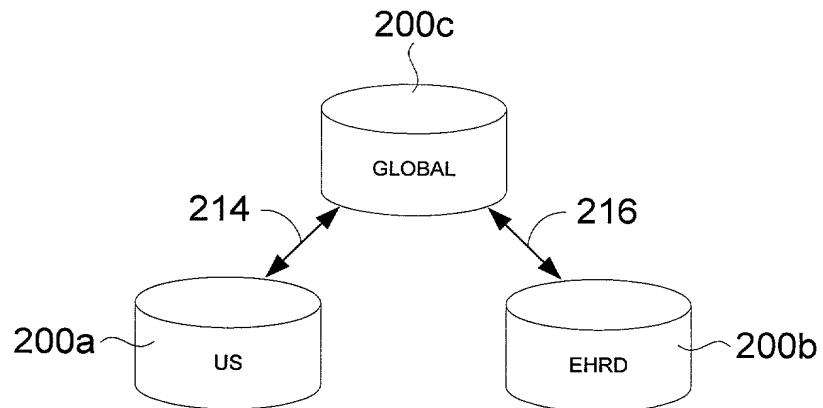


FIG. 2

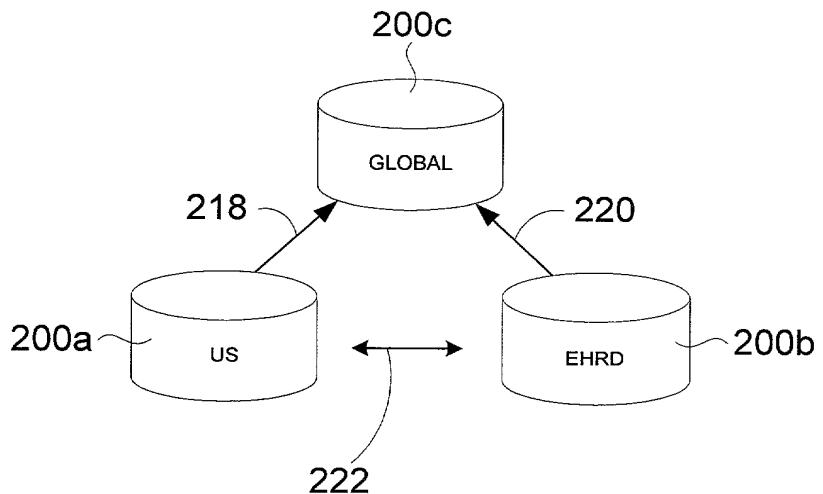


FIG. 3

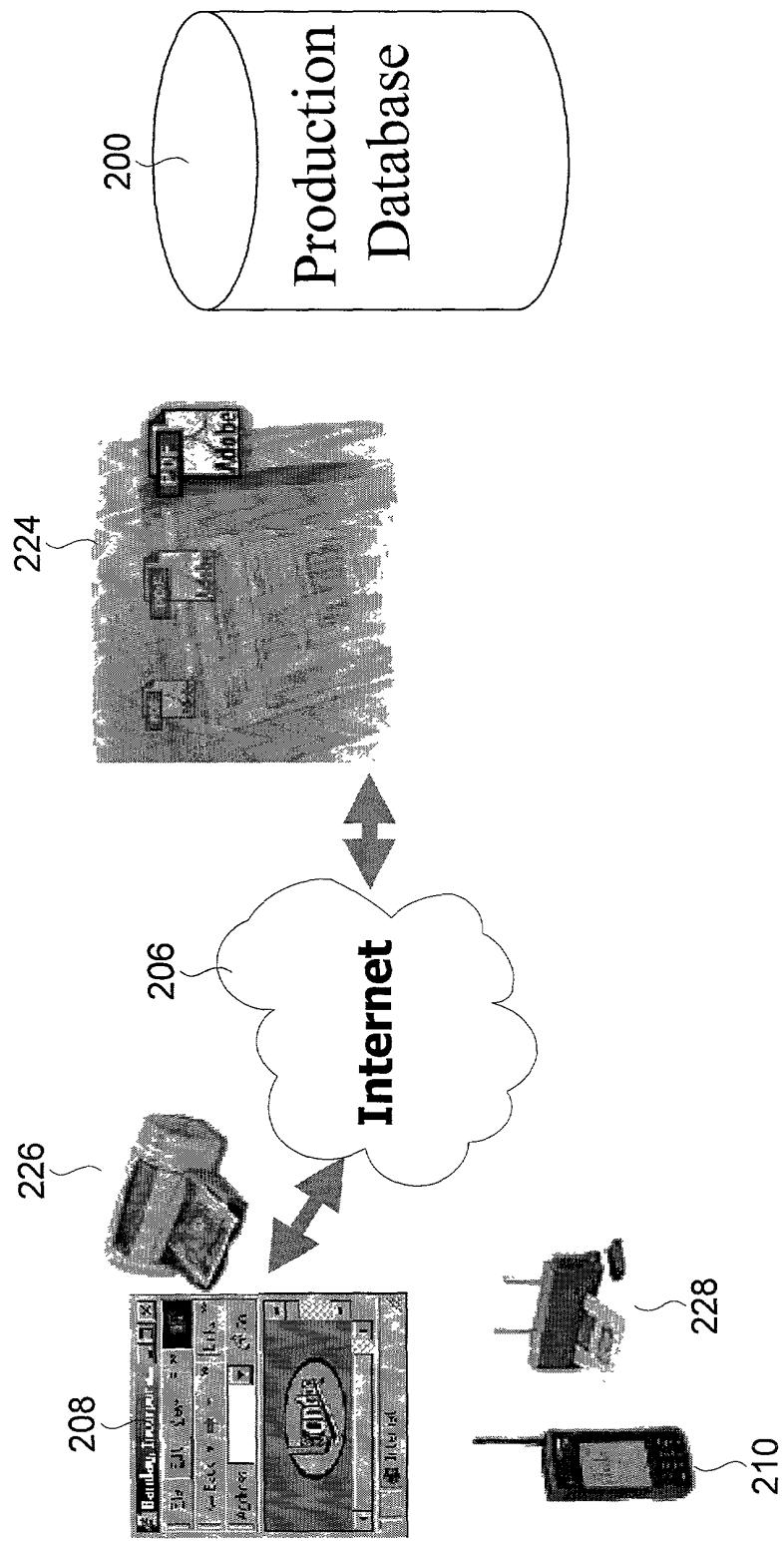


FIG. 4

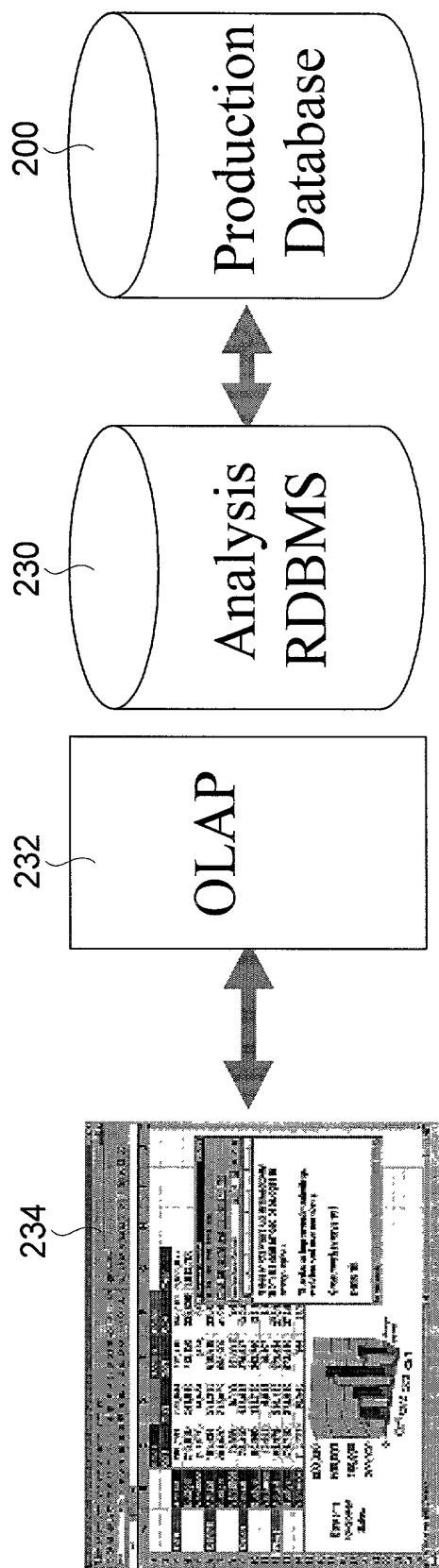


FIG. 5

FIG. 6

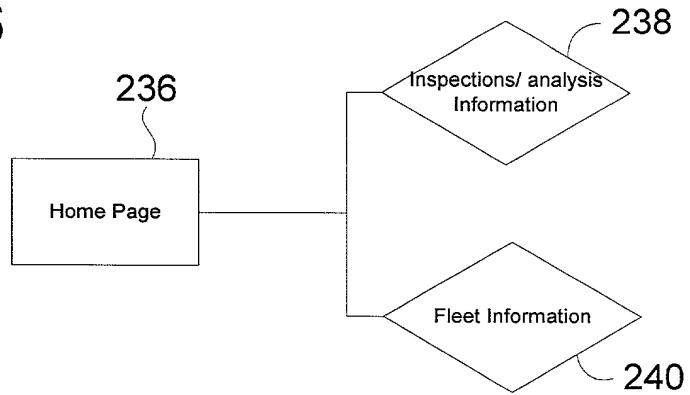


FIG. 7

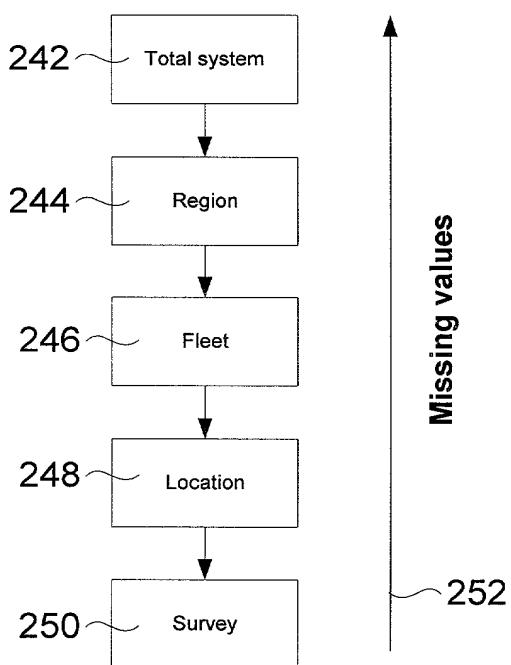


FIG. 8

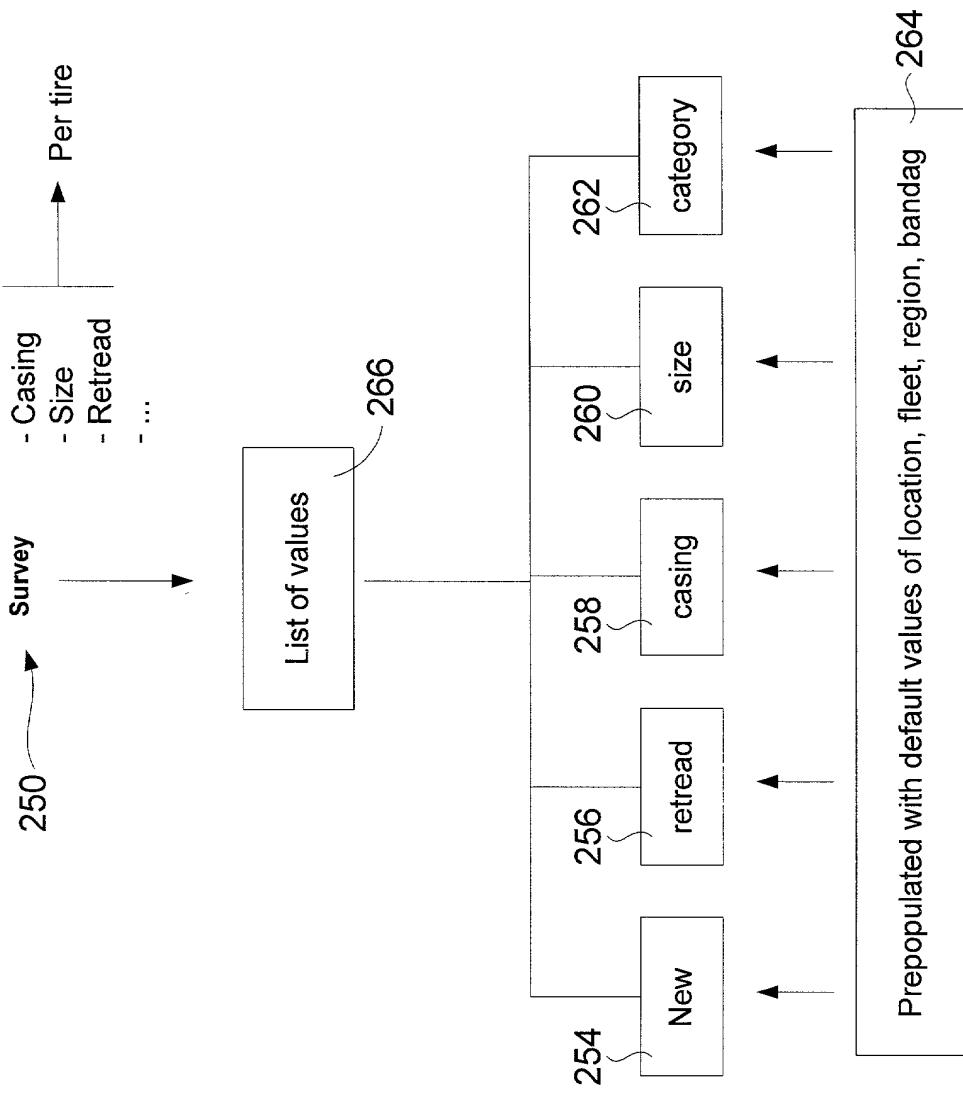


FIG. 9

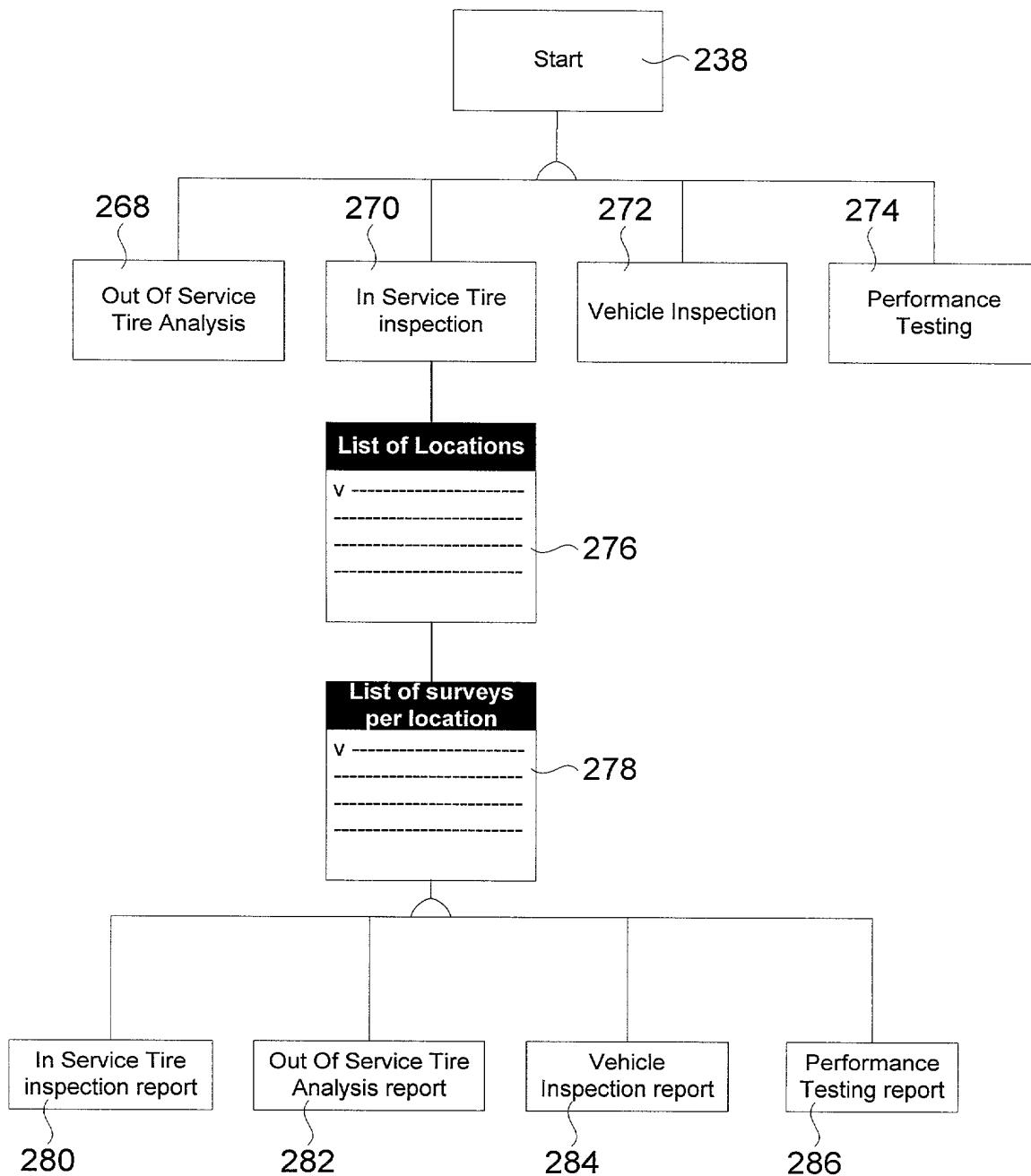


FIG. 10

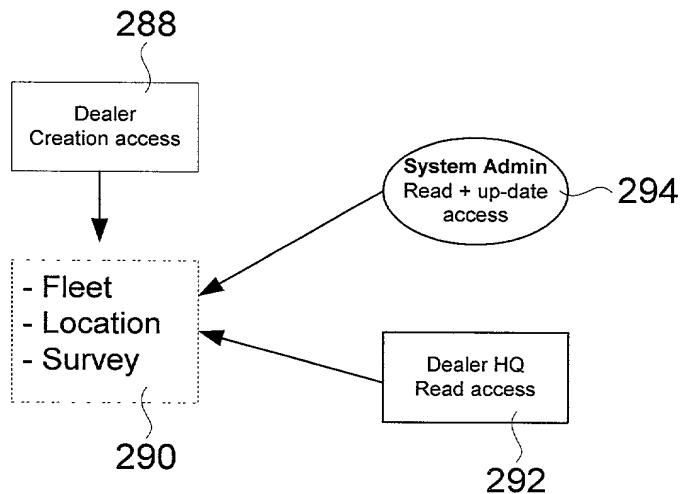


FIG. 11

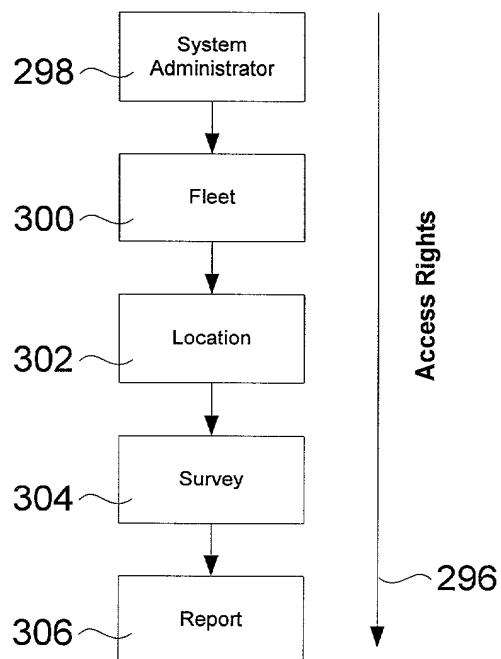
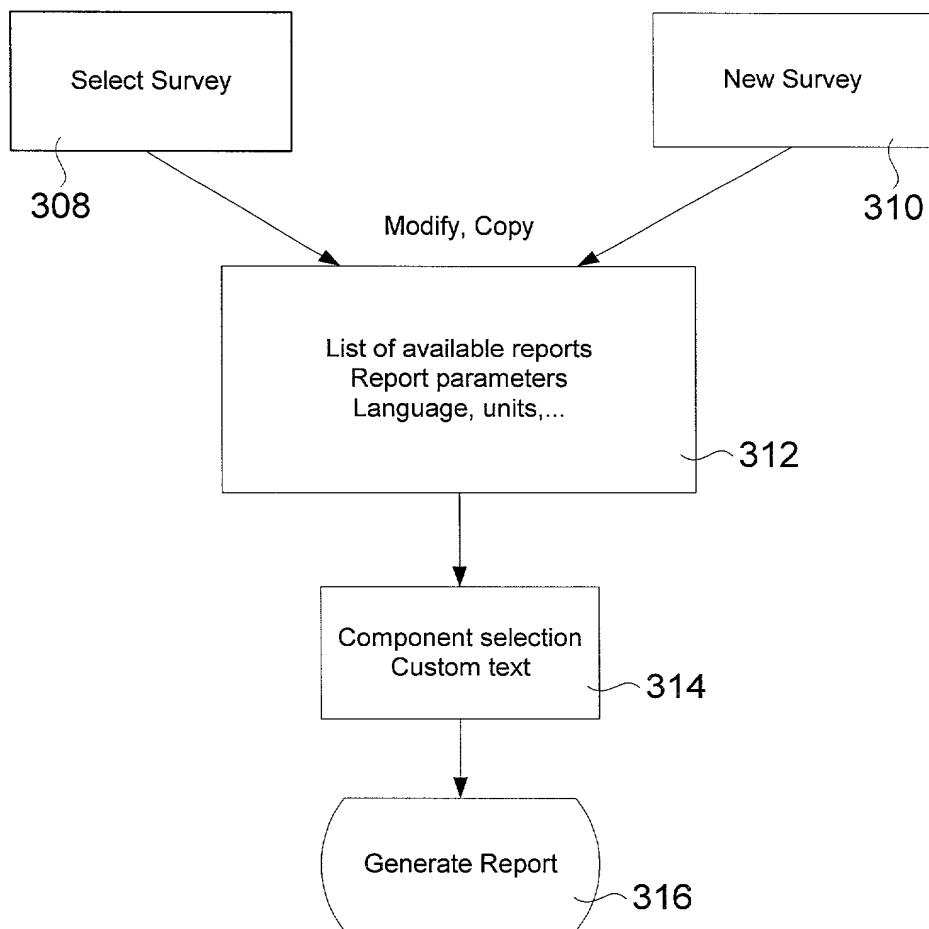


FIG. 12



System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall
Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 13

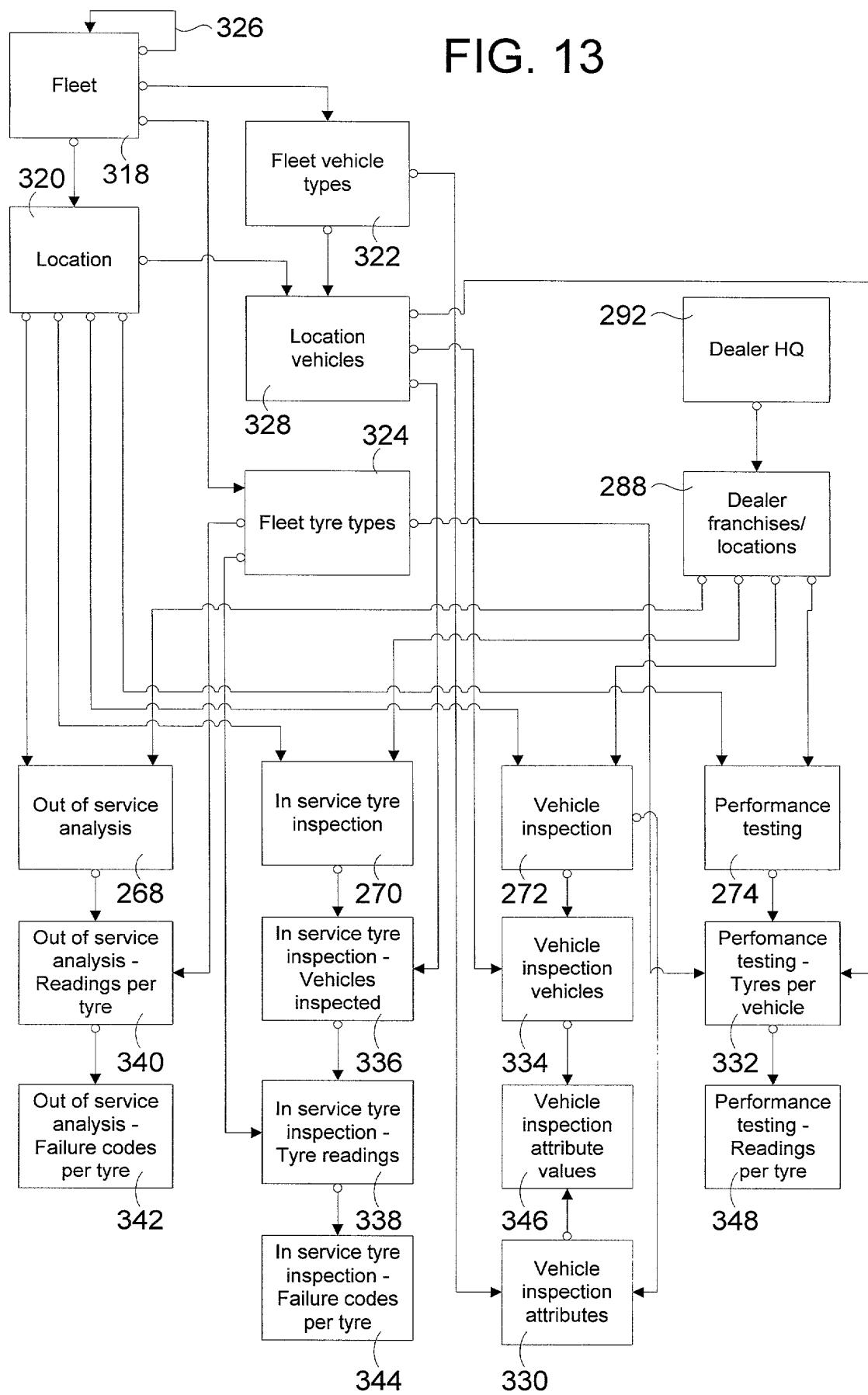


FIG. 14

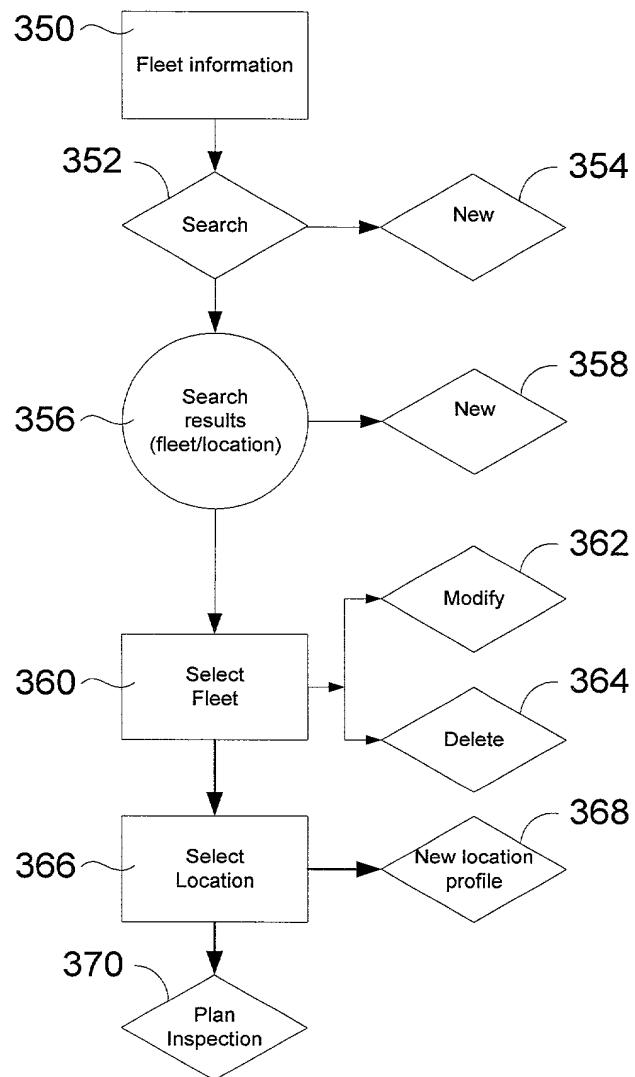
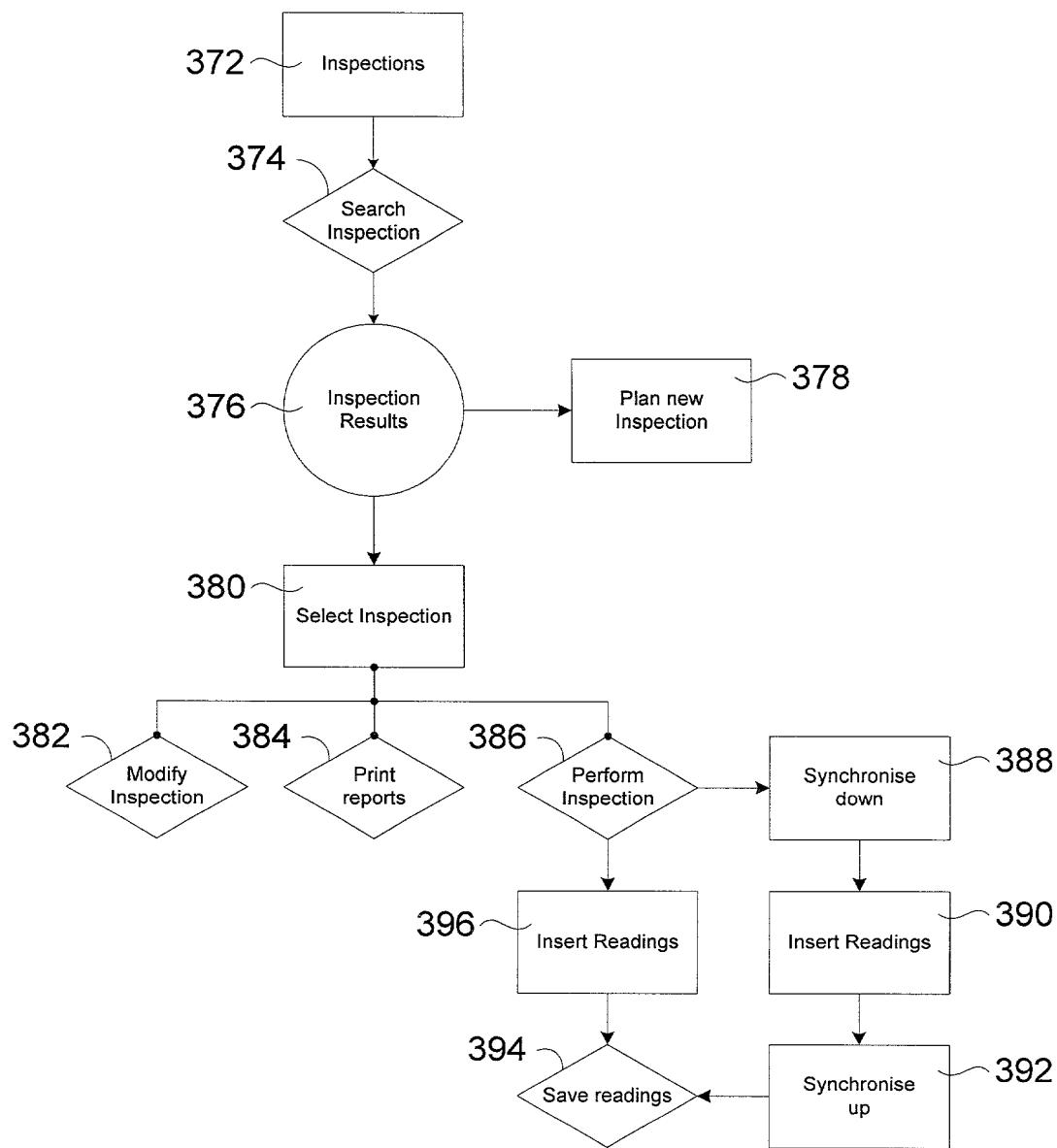


FIG. 15



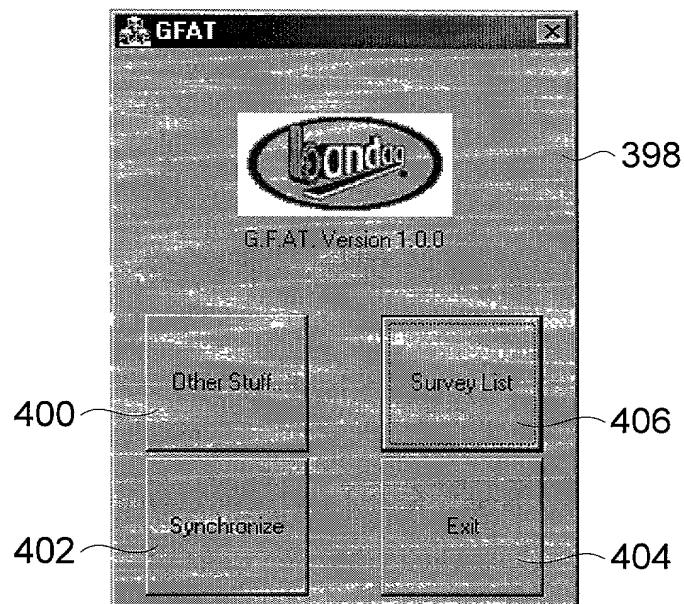


FIG. 16

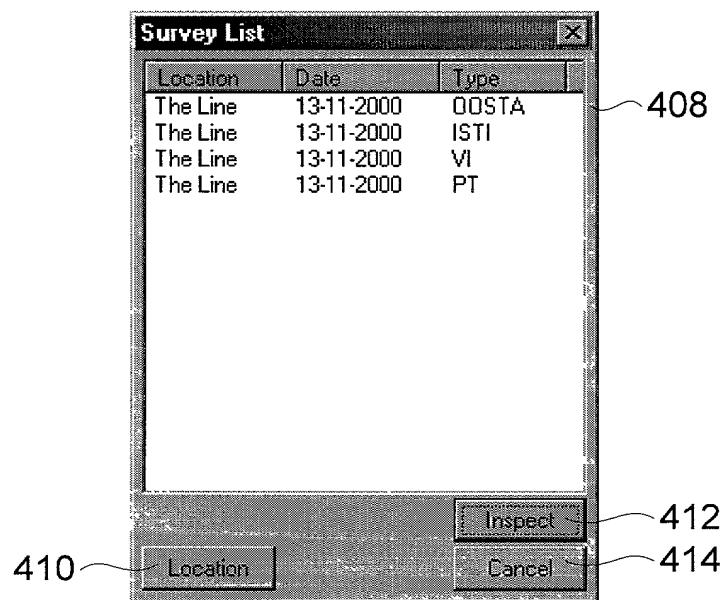


FIG. 17

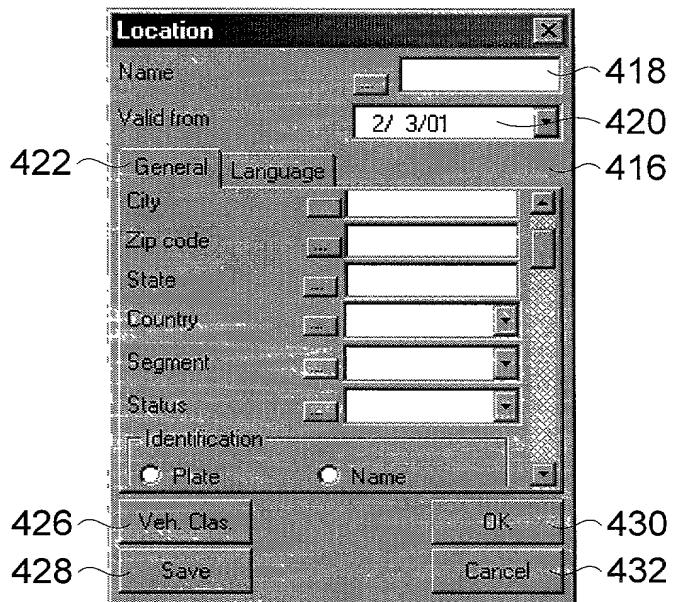


FIG. 18

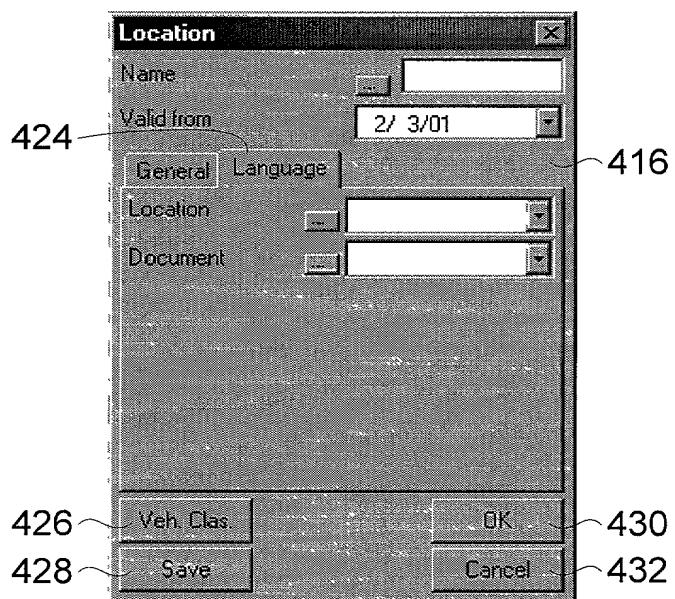


FIG. 19

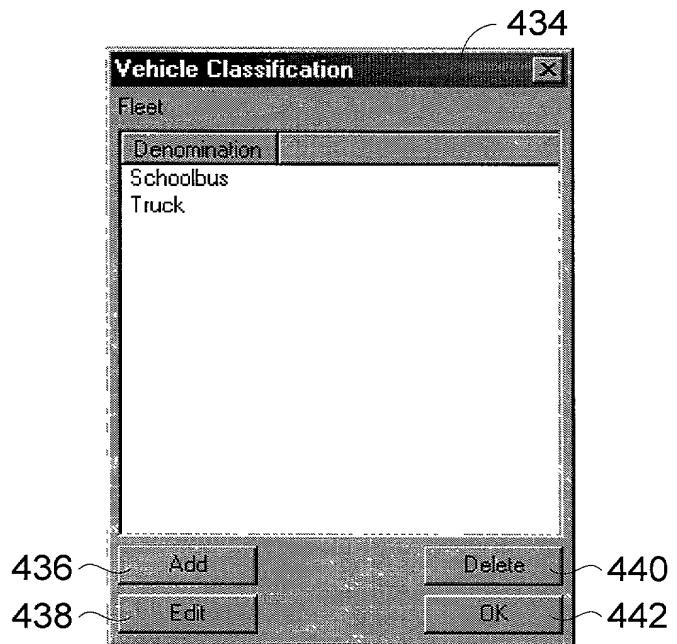


FIG. 20

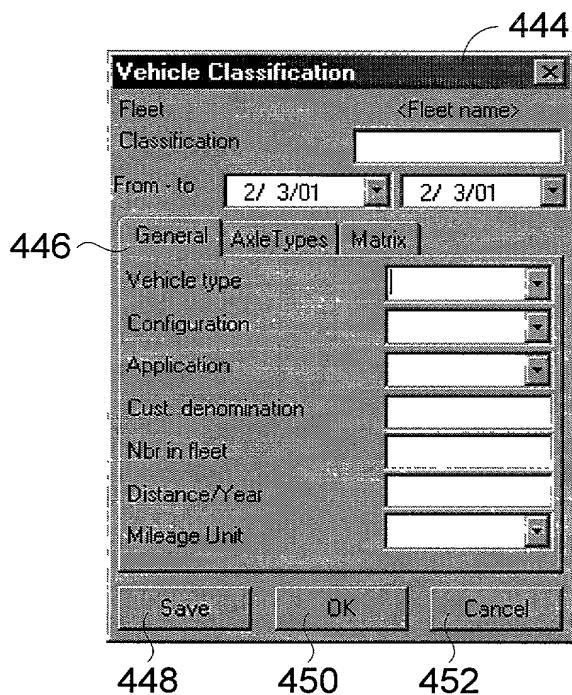


FIG. 21

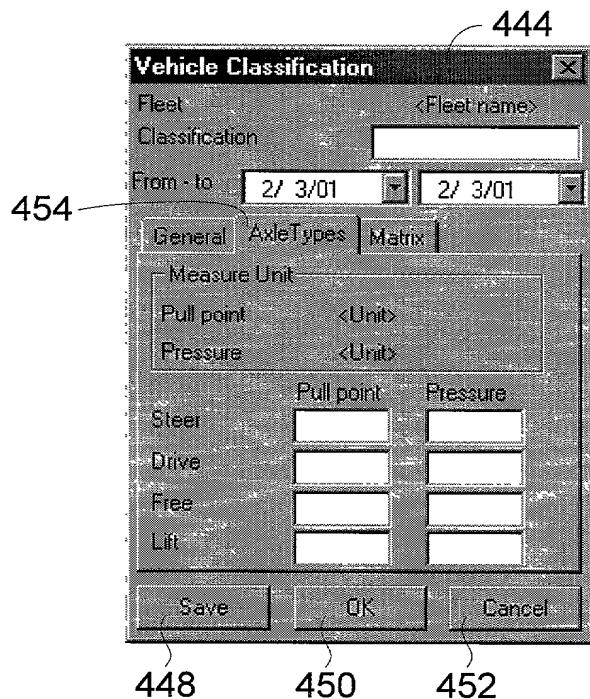


FIG. 22

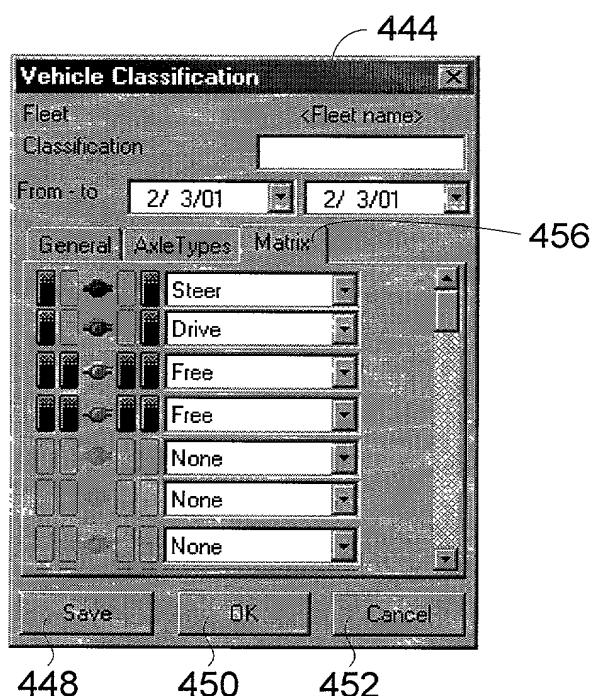


FIG. 23

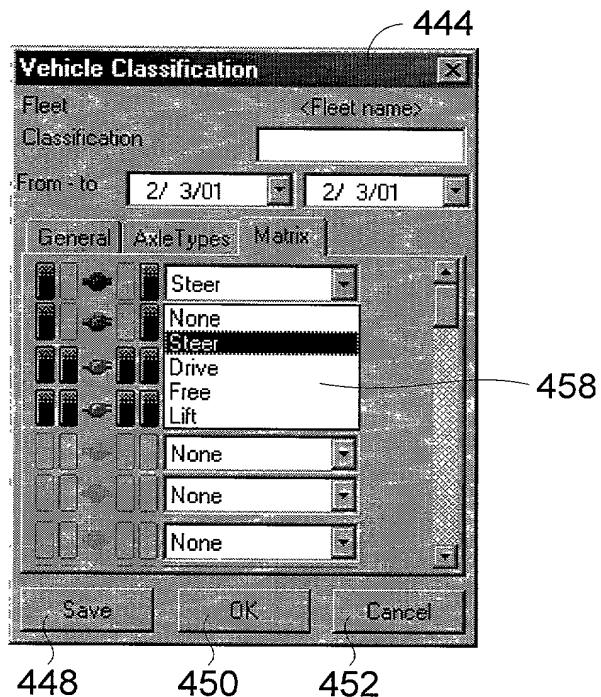


FIG. 24

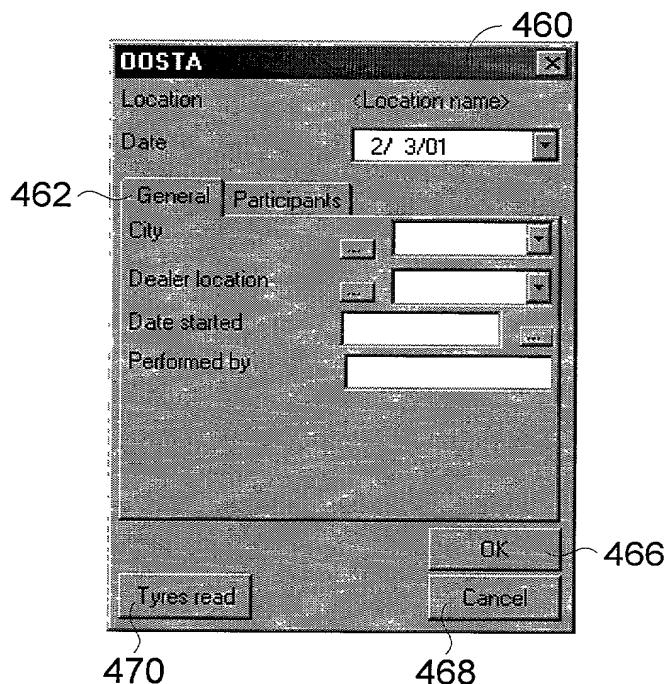


FIG. 25

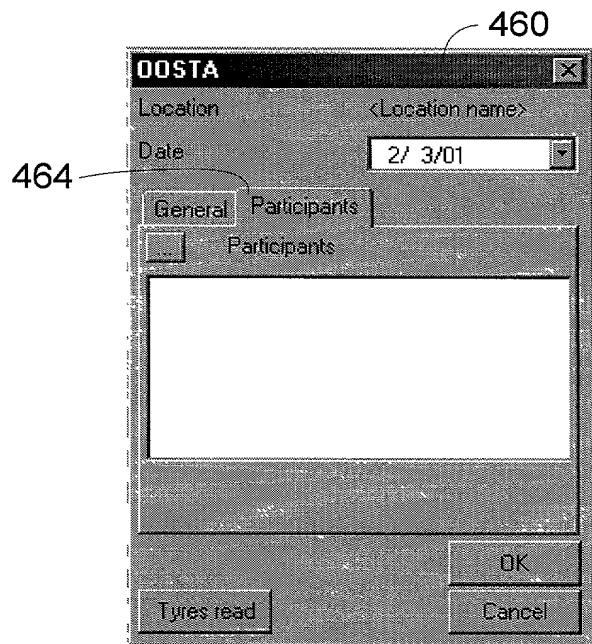


FIG. 26

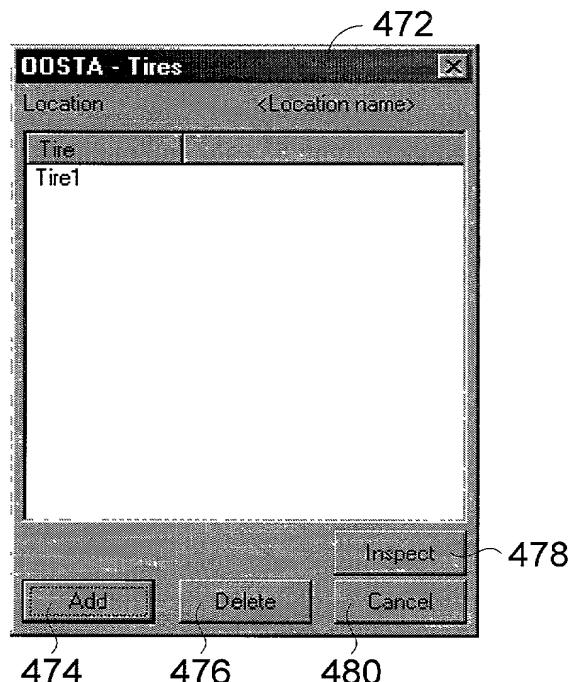


FIG. 27

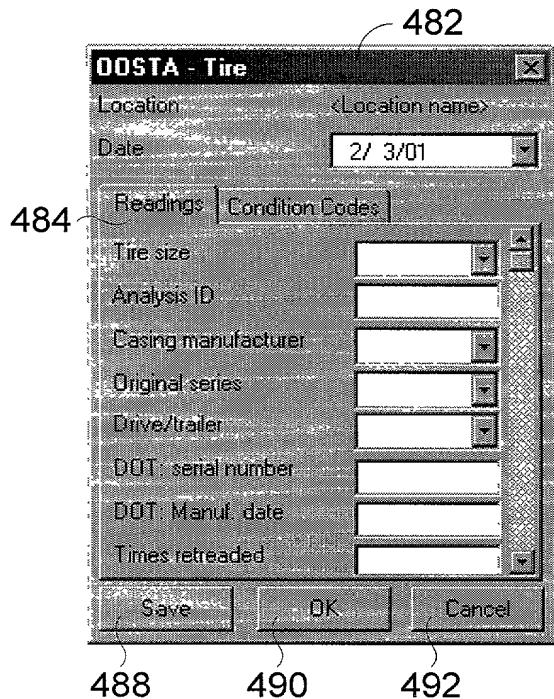


FIG. 28a

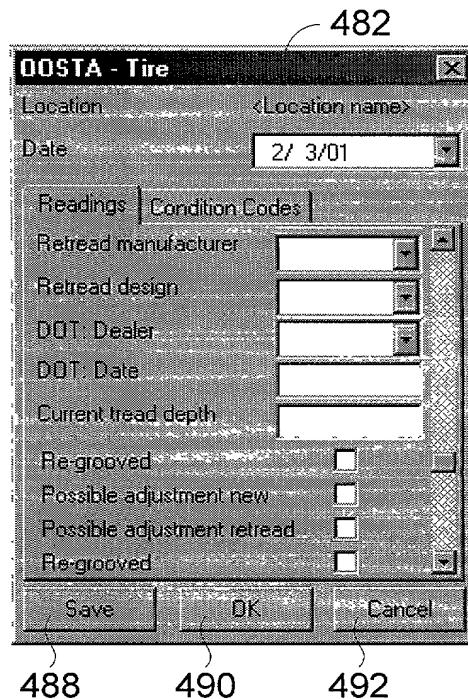


FIG. 28b

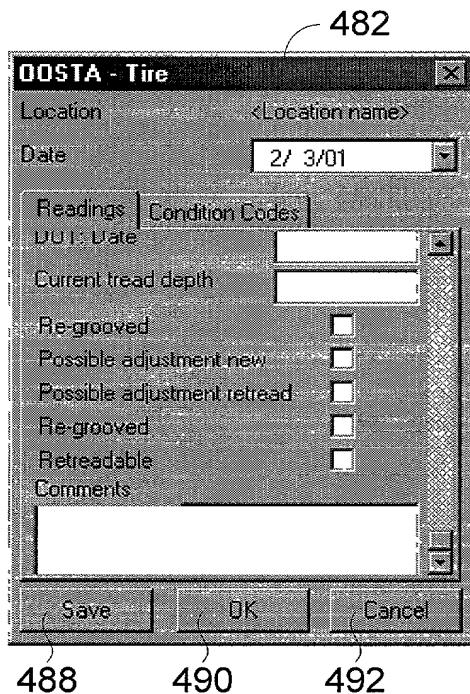


FIG. 28c

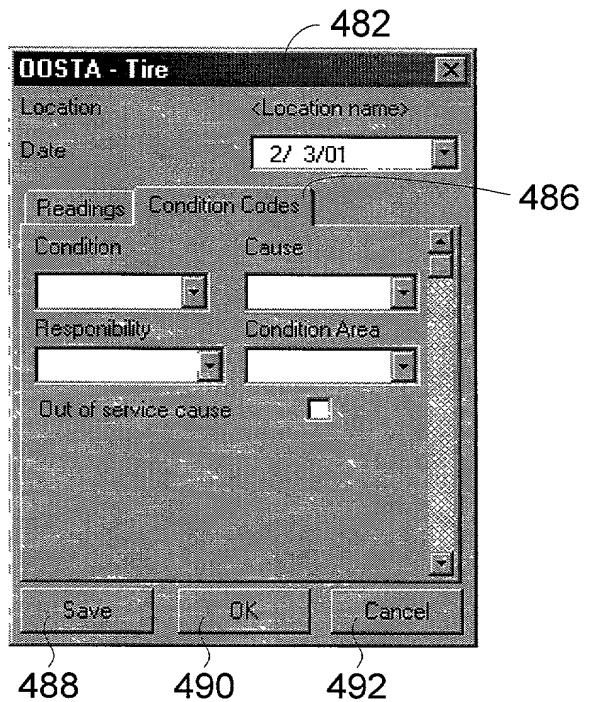


FIG. 29

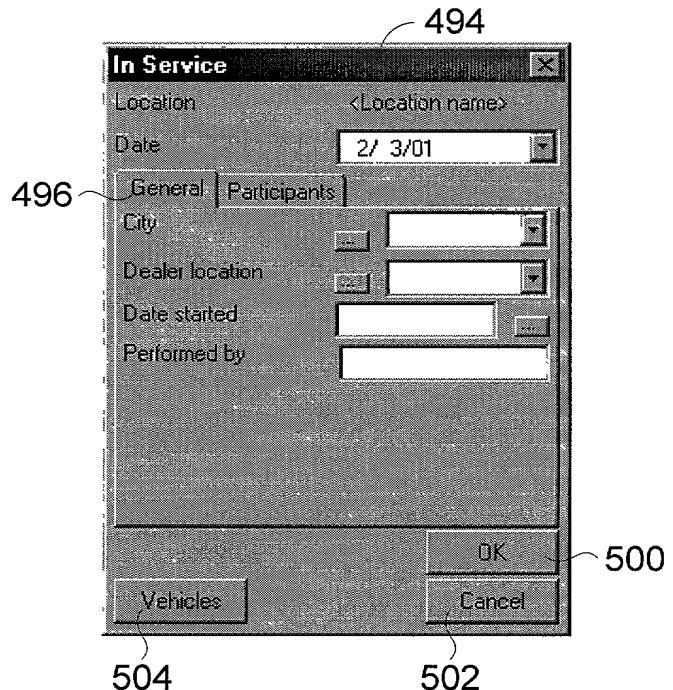


FIG. 30

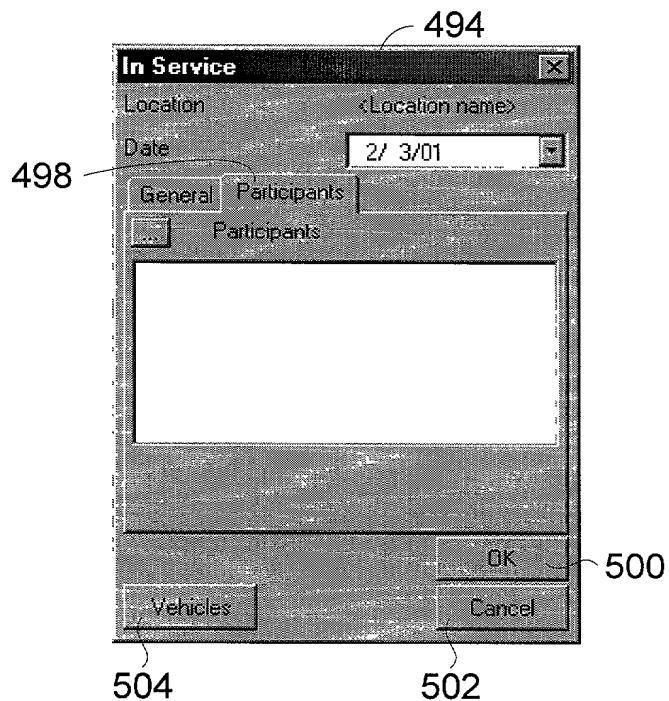


FIG. 31

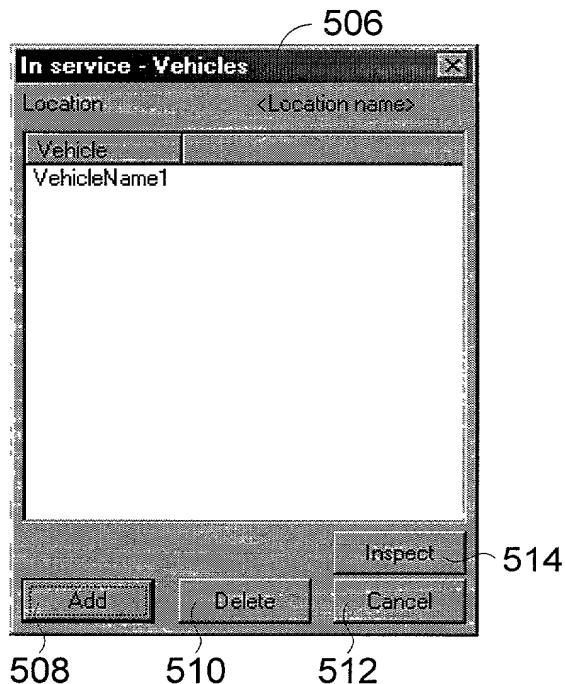


FIG. 32

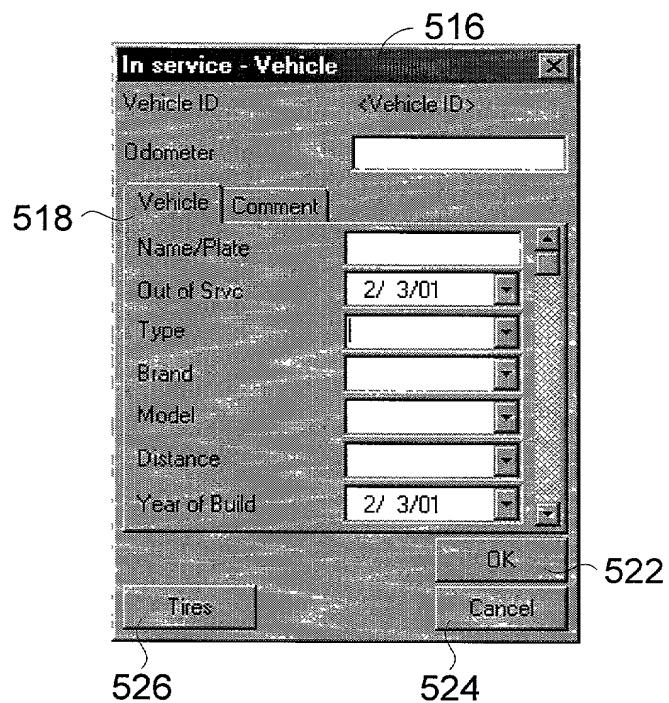


FIG. 33

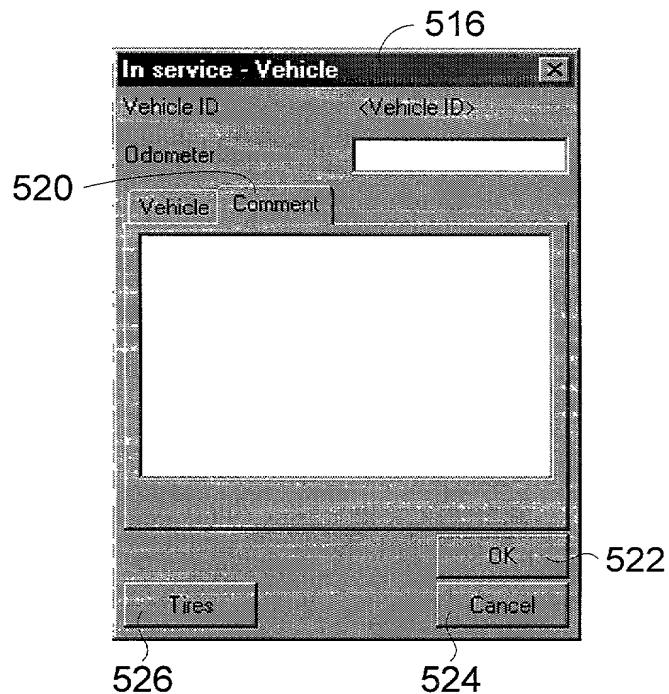


FIG. 34

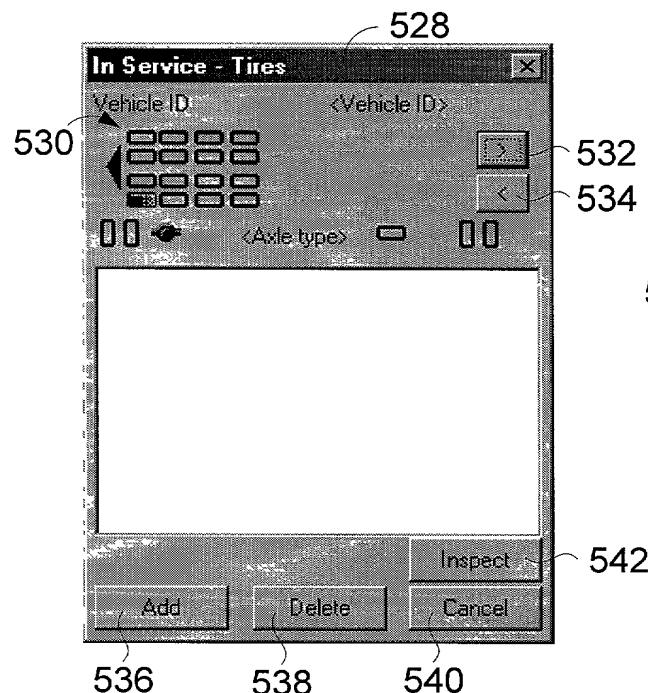


FIG. 35

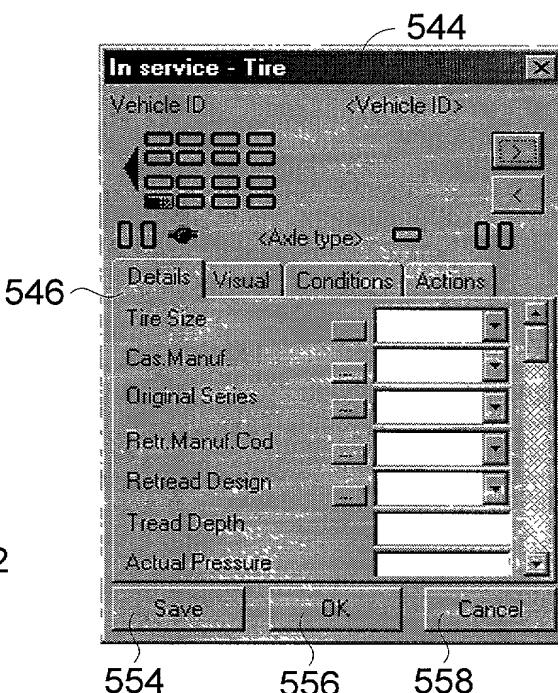


FIG. 36a

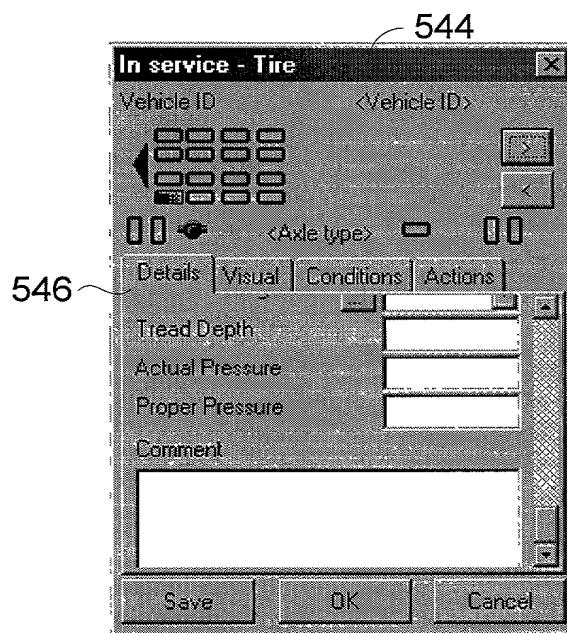


FIG. 36b

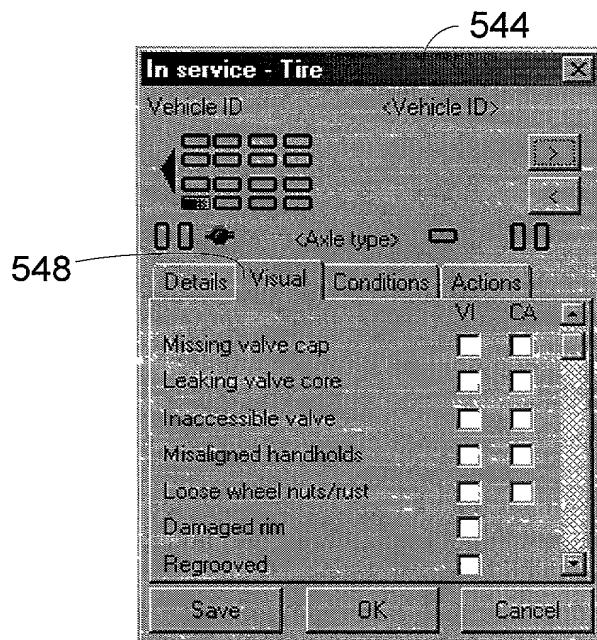


FIG. 37a

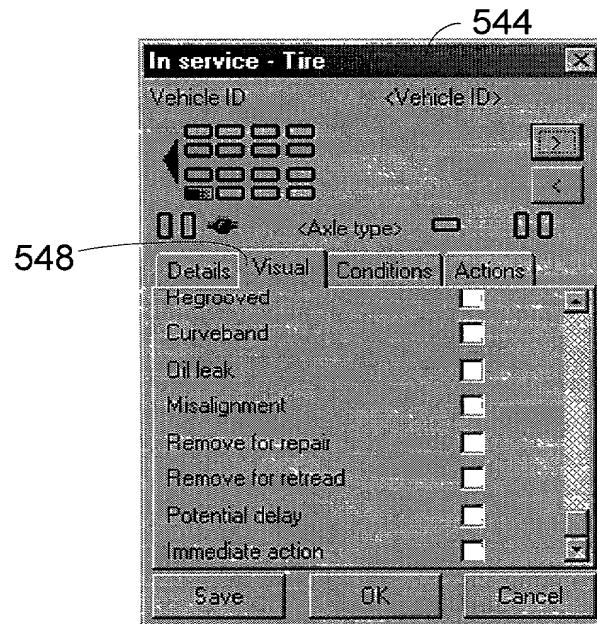


FIG. 37b

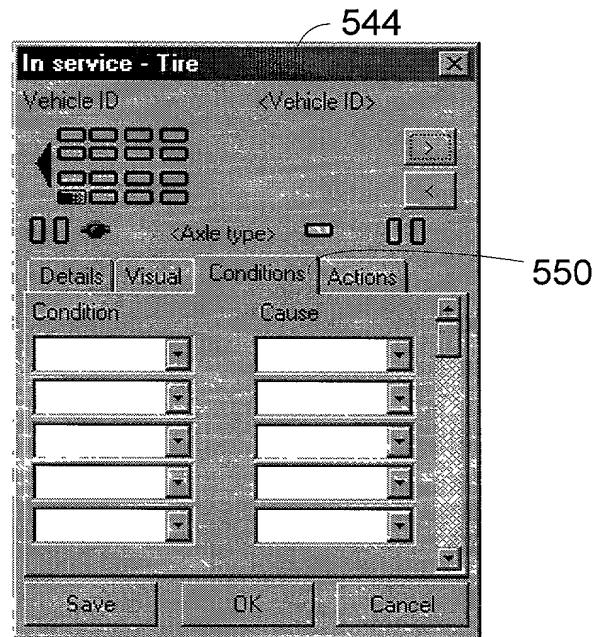


FIG. 38

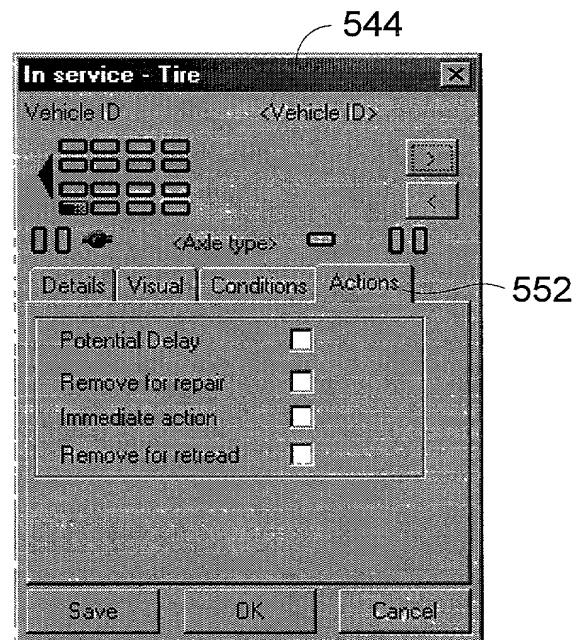


FIG. 39

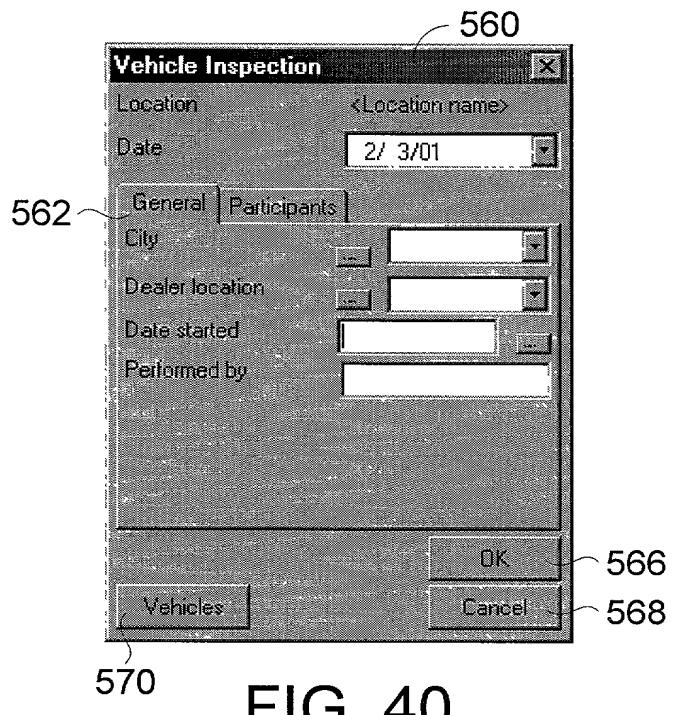


FIG. 40

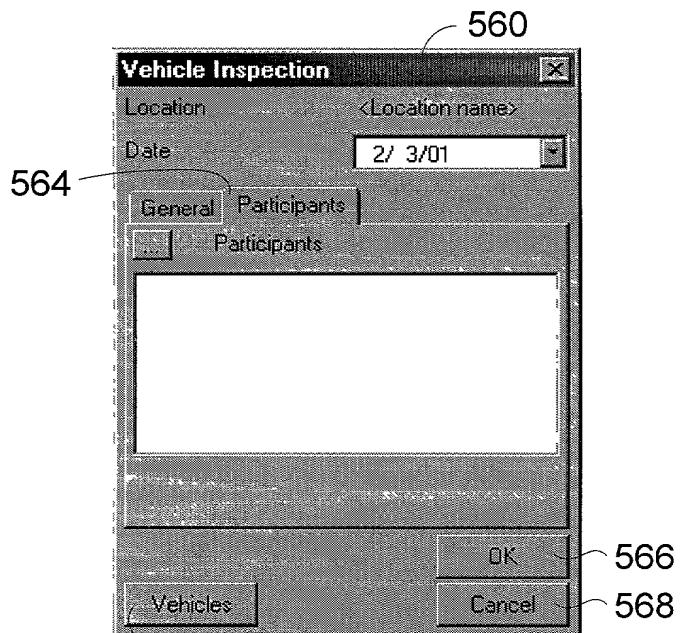


FIG. 41

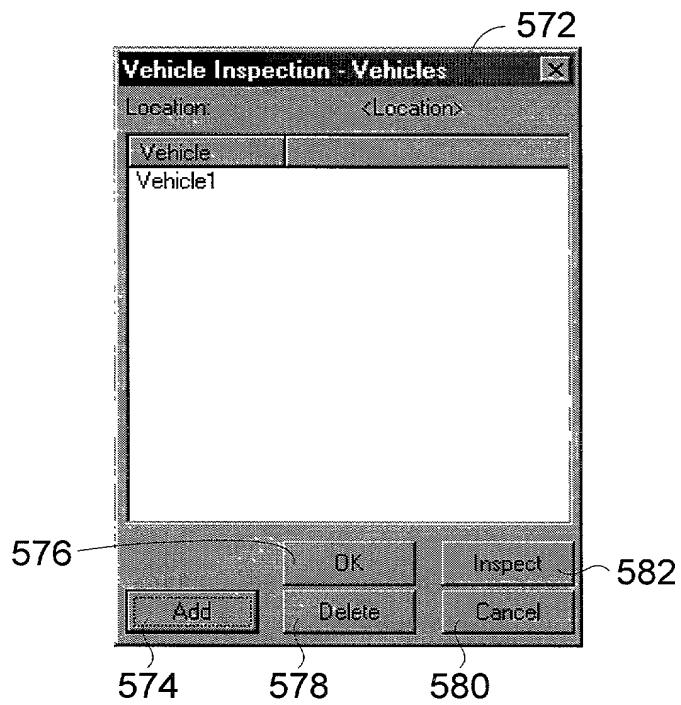


FIG. 42

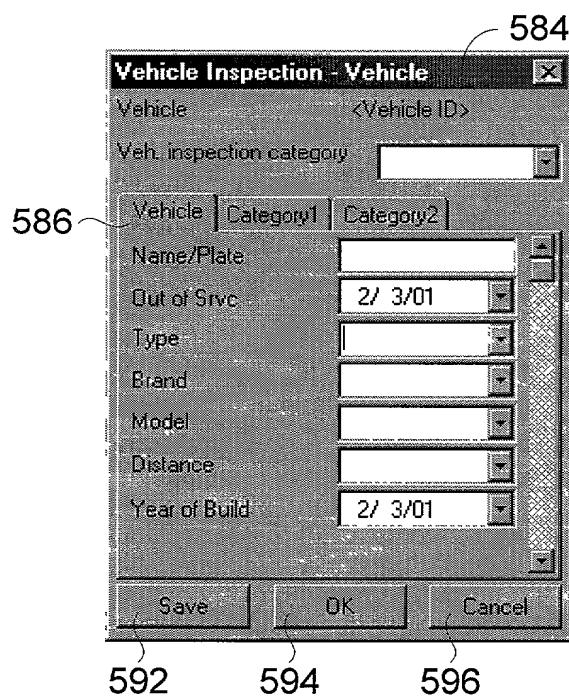


FIG. 43

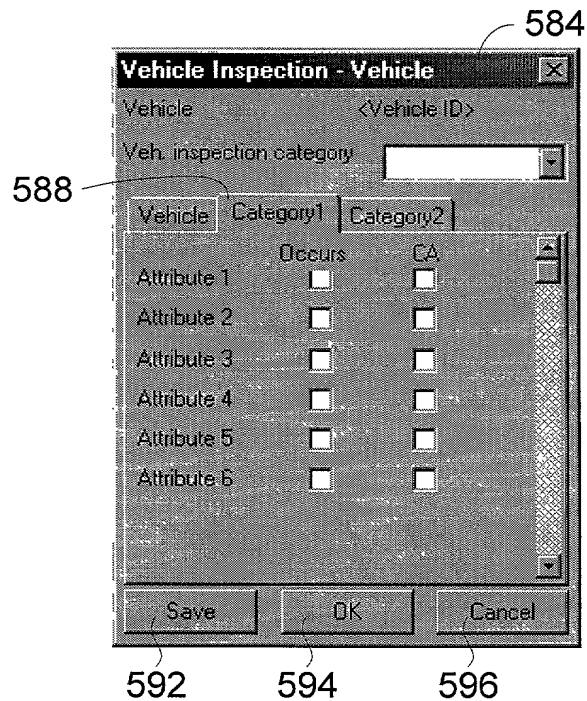


FIG. 44

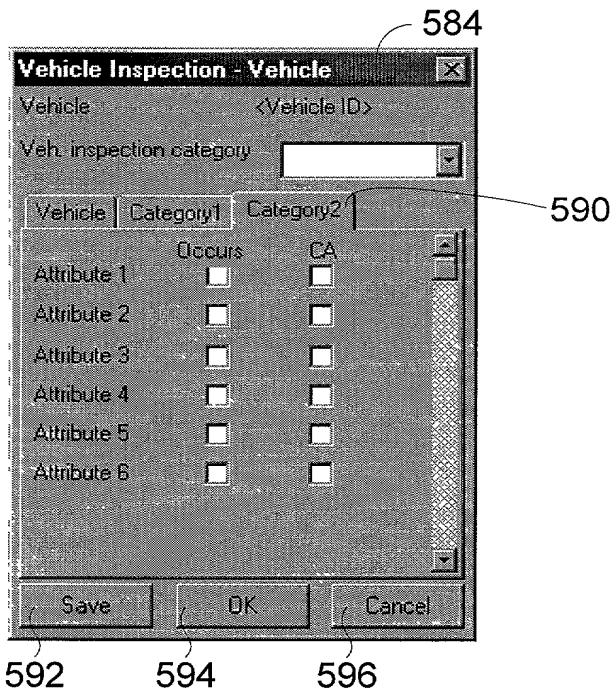


FIG. 45

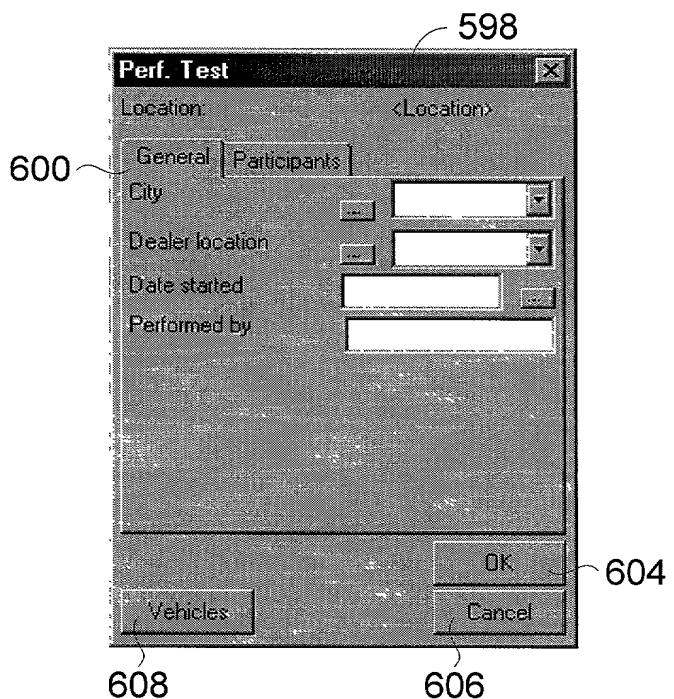


FIG. 46

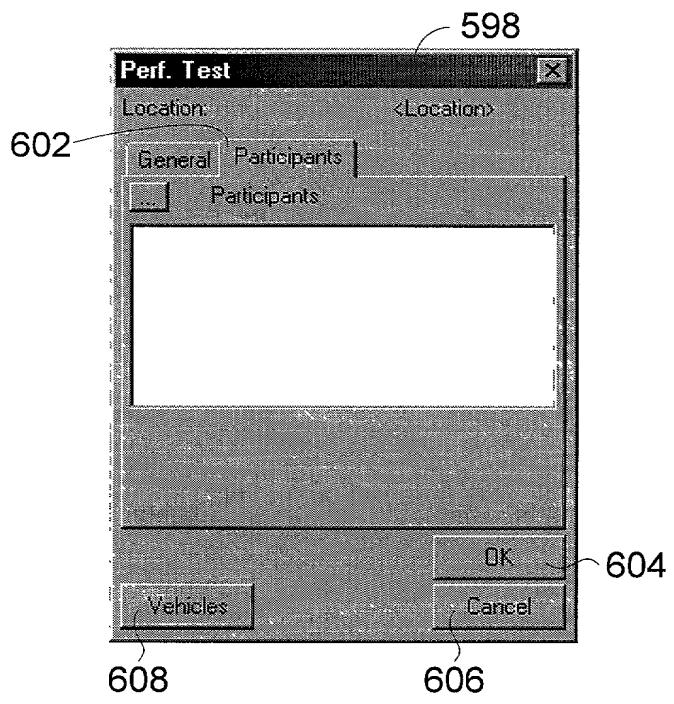


FIG. 47

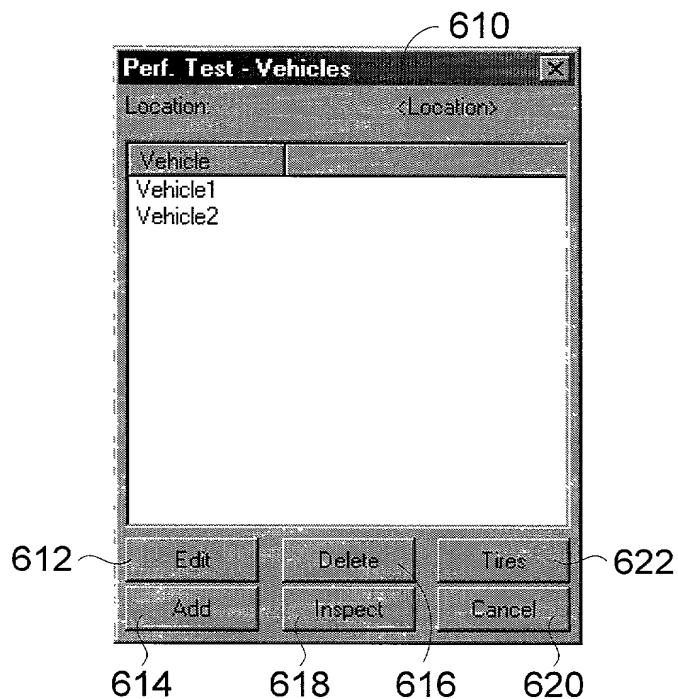


FIG. 48

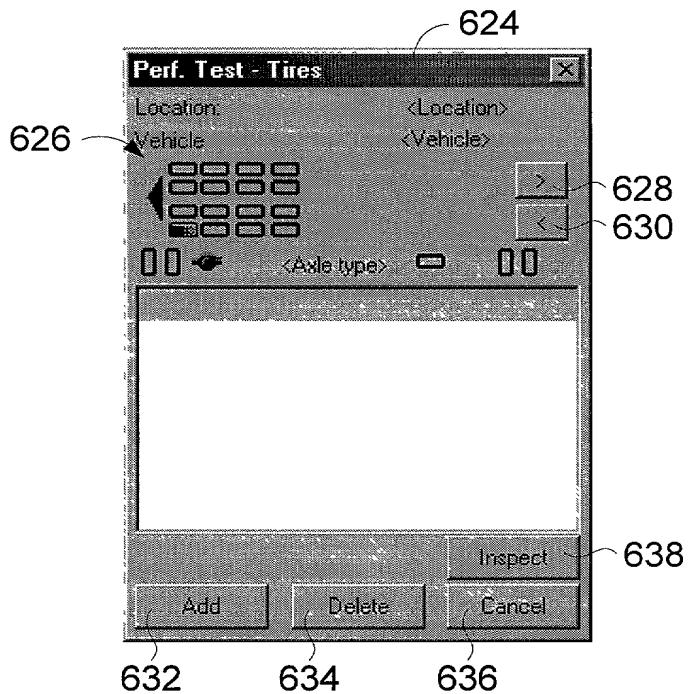


FIG. 49

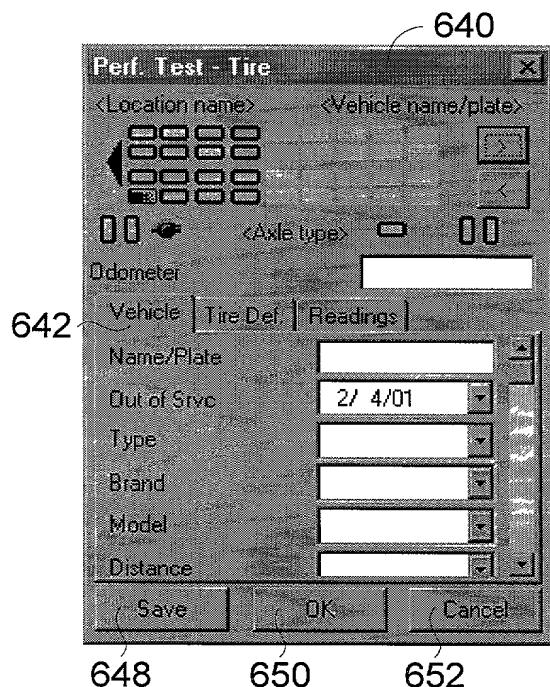


FIG. 50a

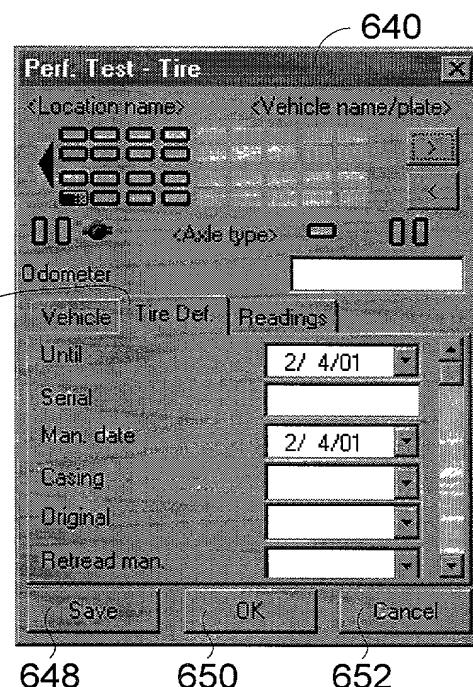


FIG. 50b

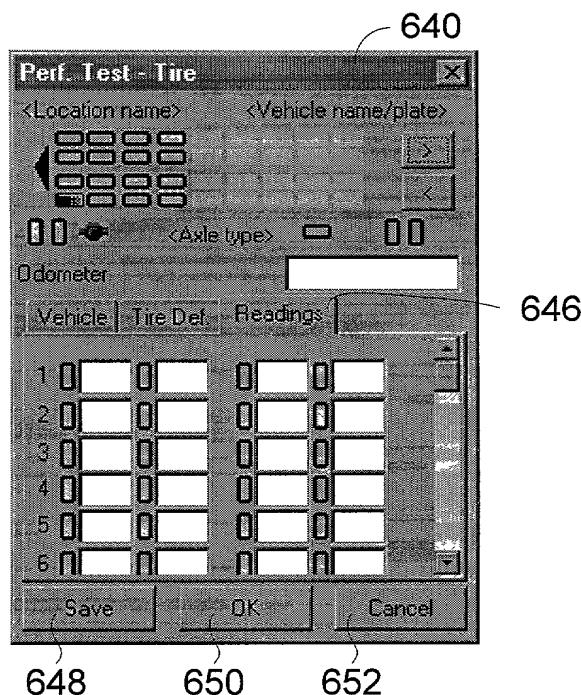


FIG. 50c

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall
Attorney Docket No. 501606, Telephone: 815-963-7661

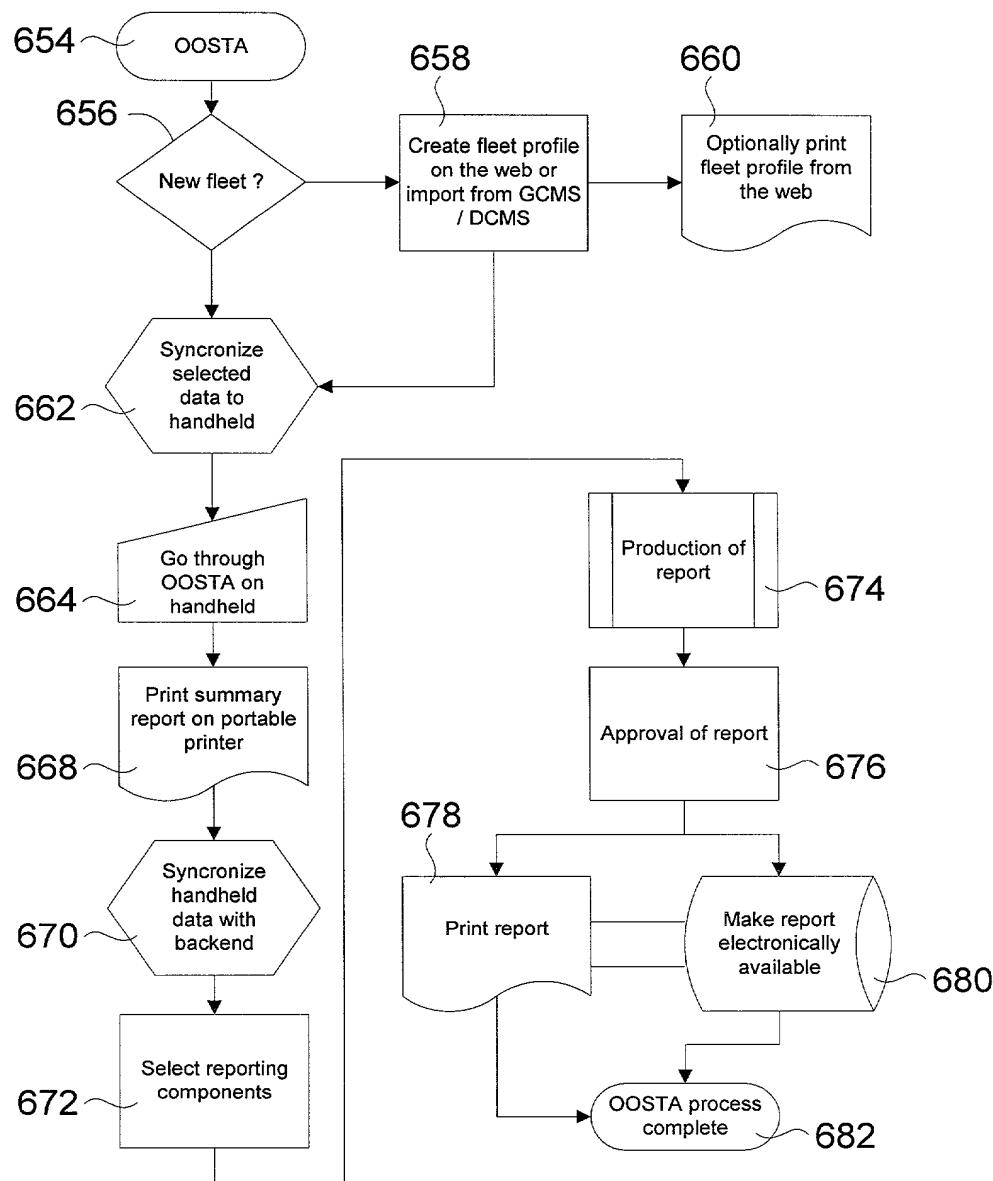


FIG. 51

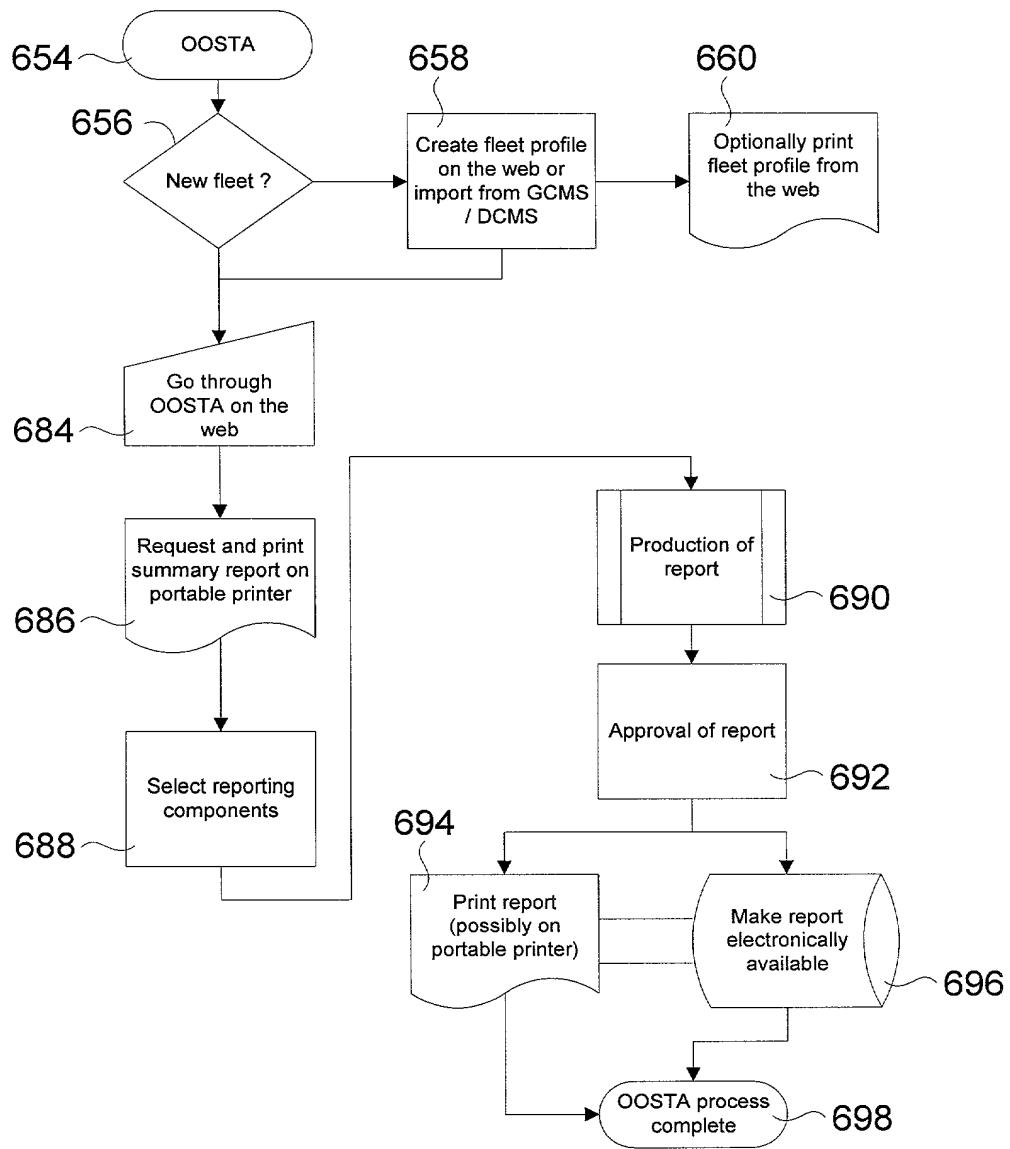


FIG. 52

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall
Attorney Docket No. 501606, Telephone: 815-963-7661

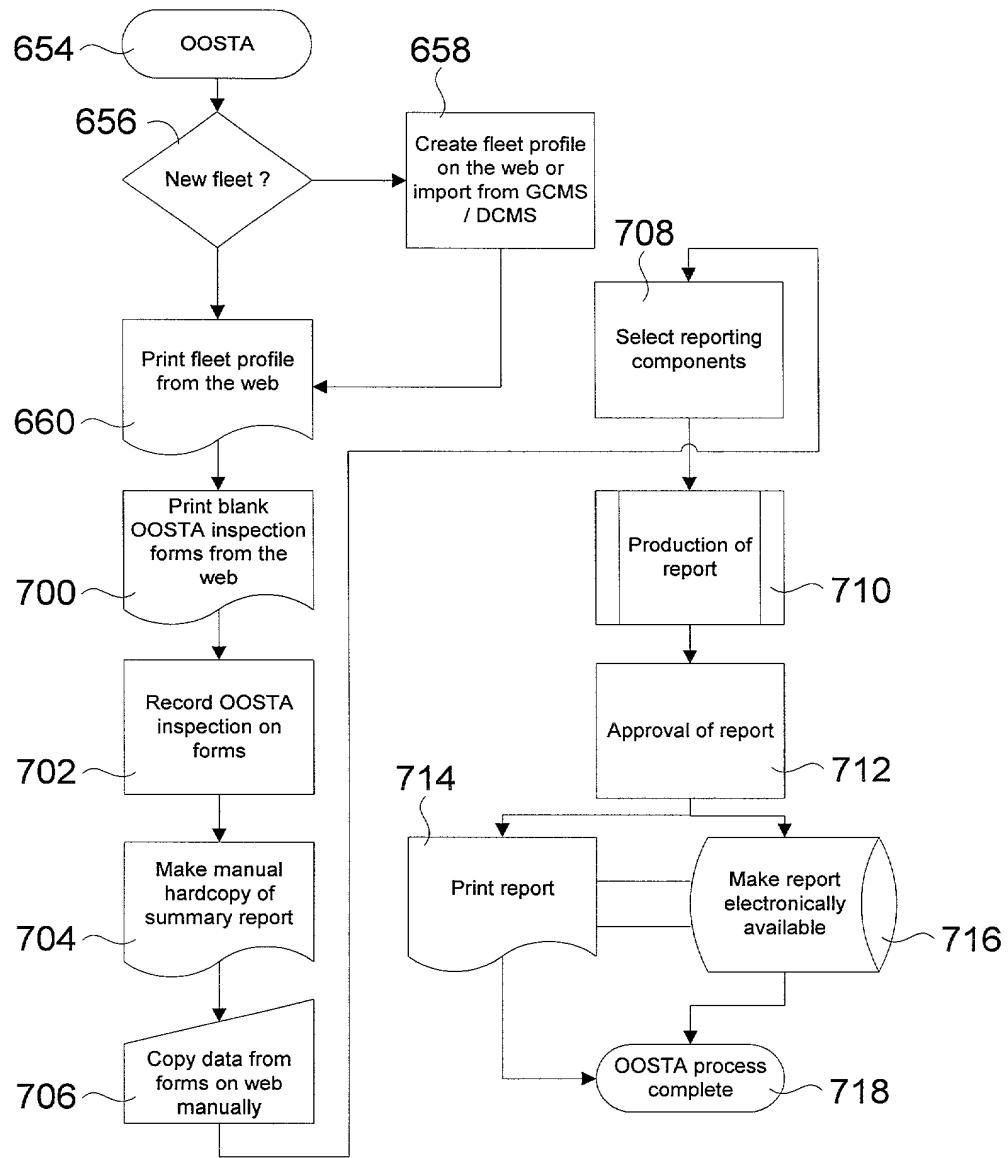


FIG. 53

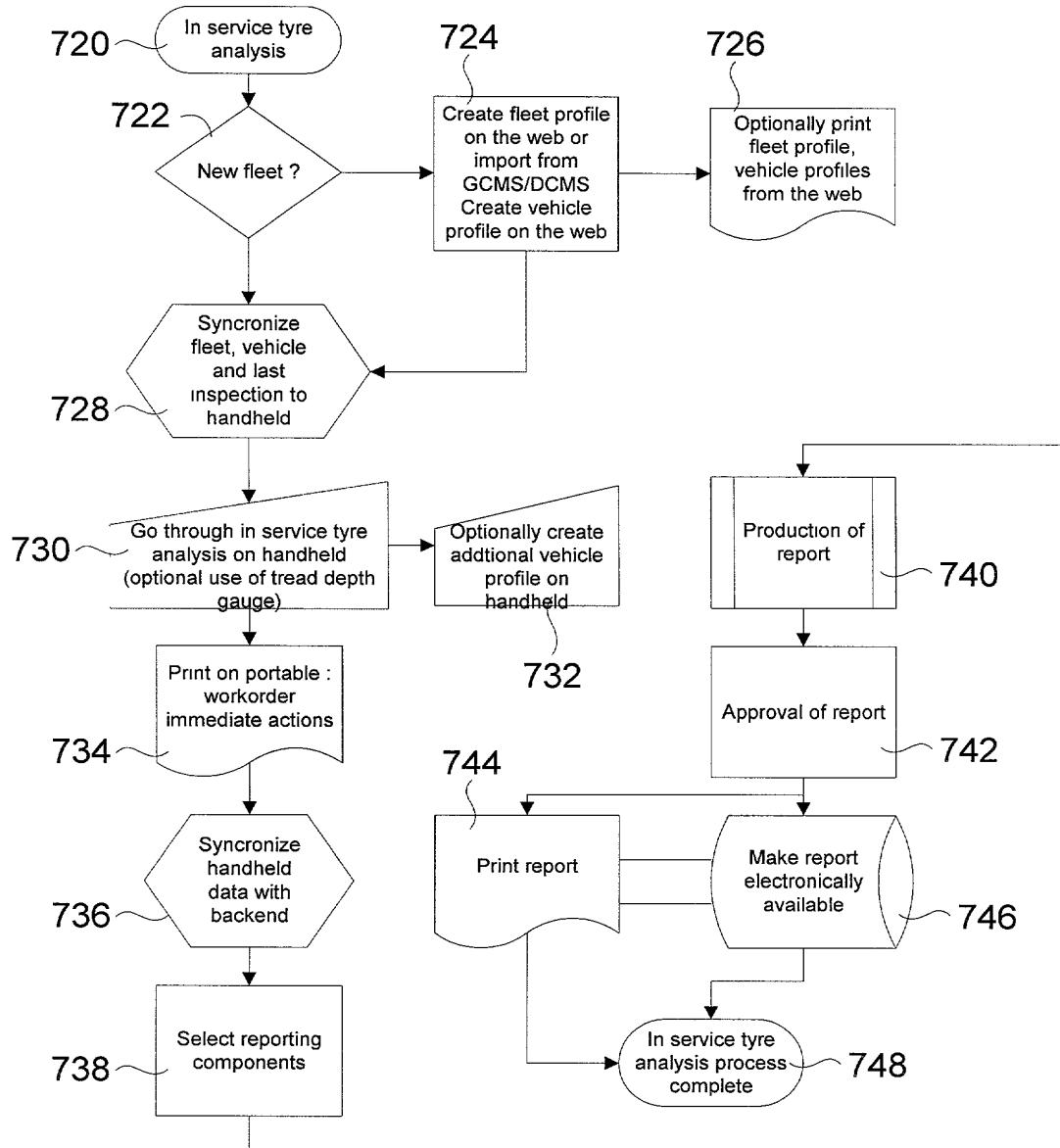


FIG. 54

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall
Attorney Docket No. 501606, Telephone: 815-963-7661

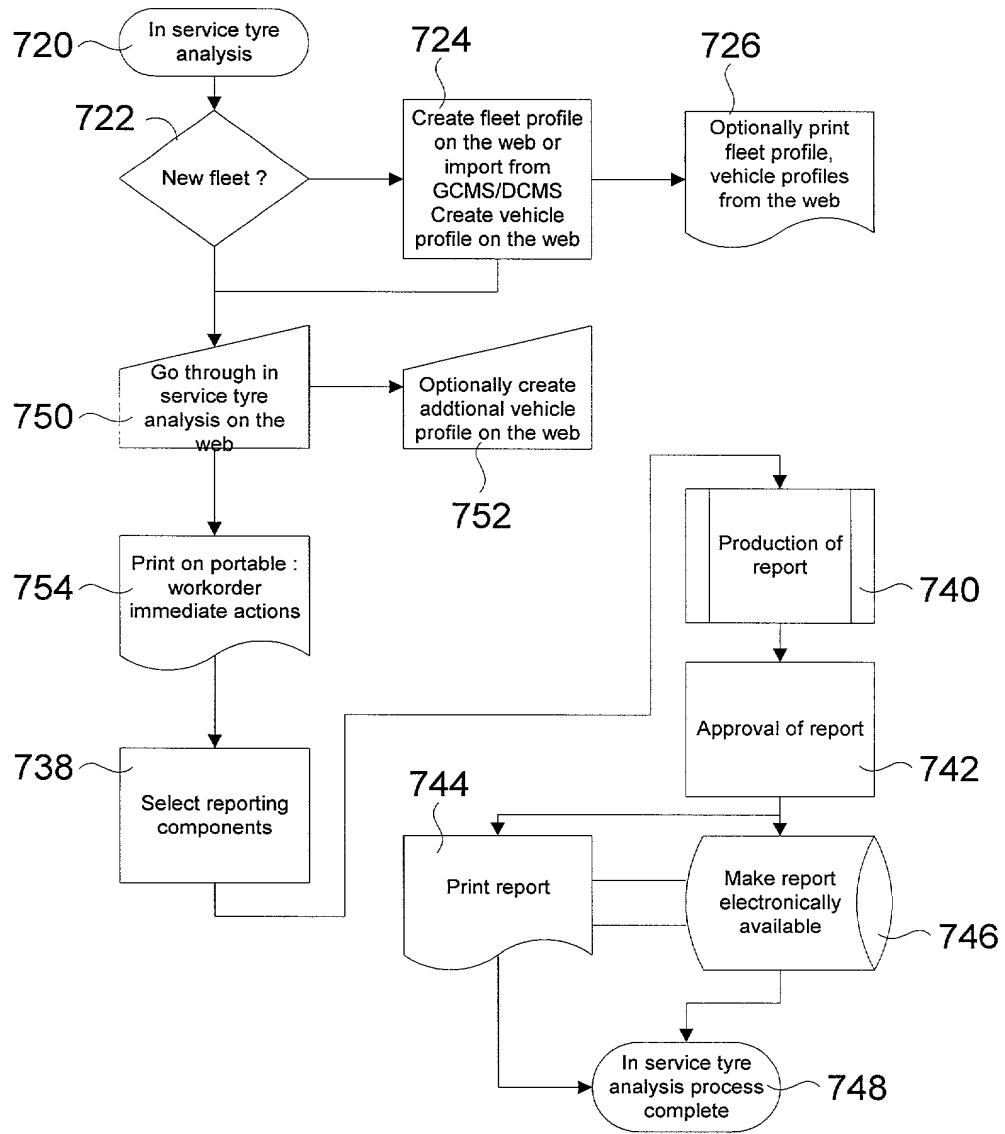


FIG. 55

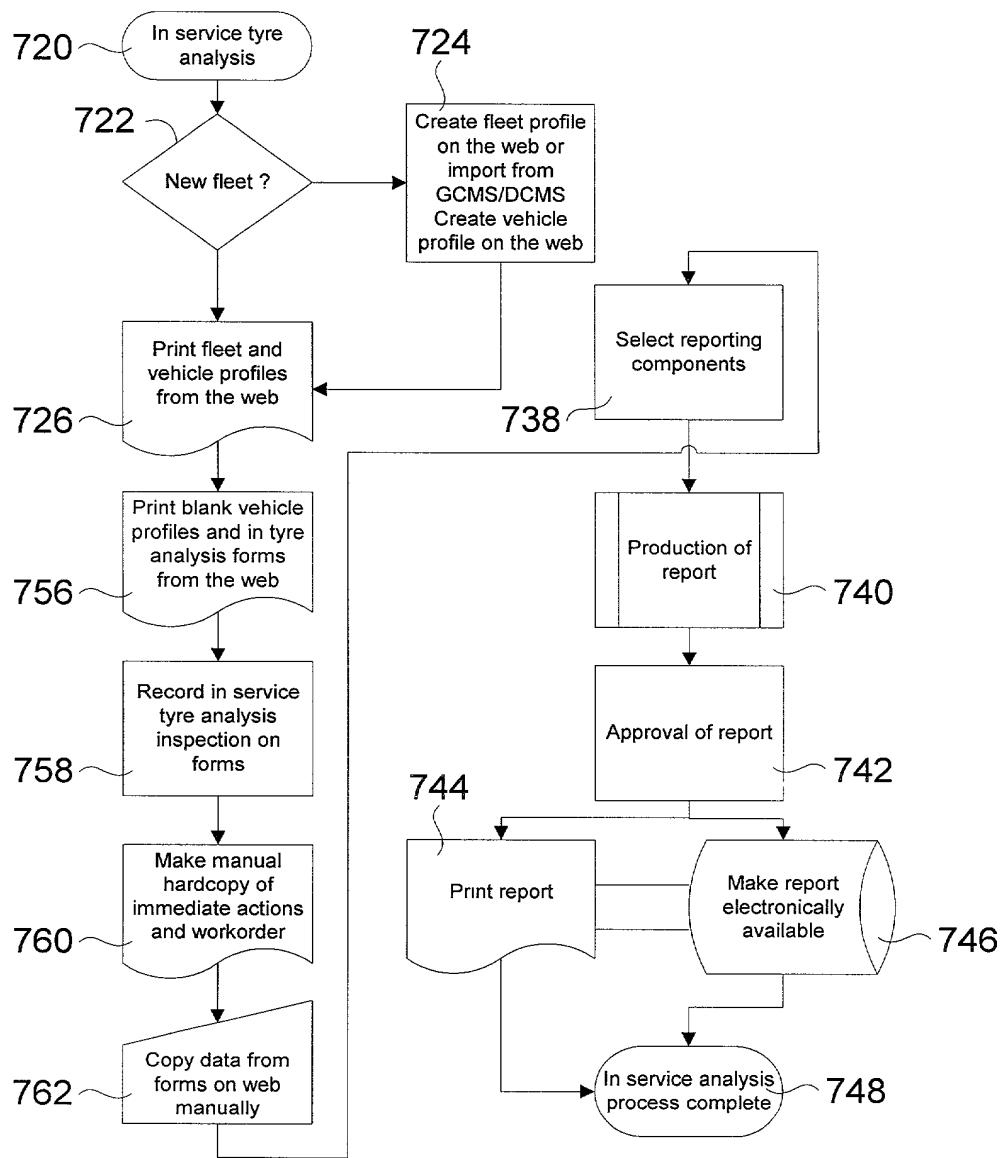


FIG. 56

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall
Attorney Docket No. 501606, Telephone: 815-963-7661

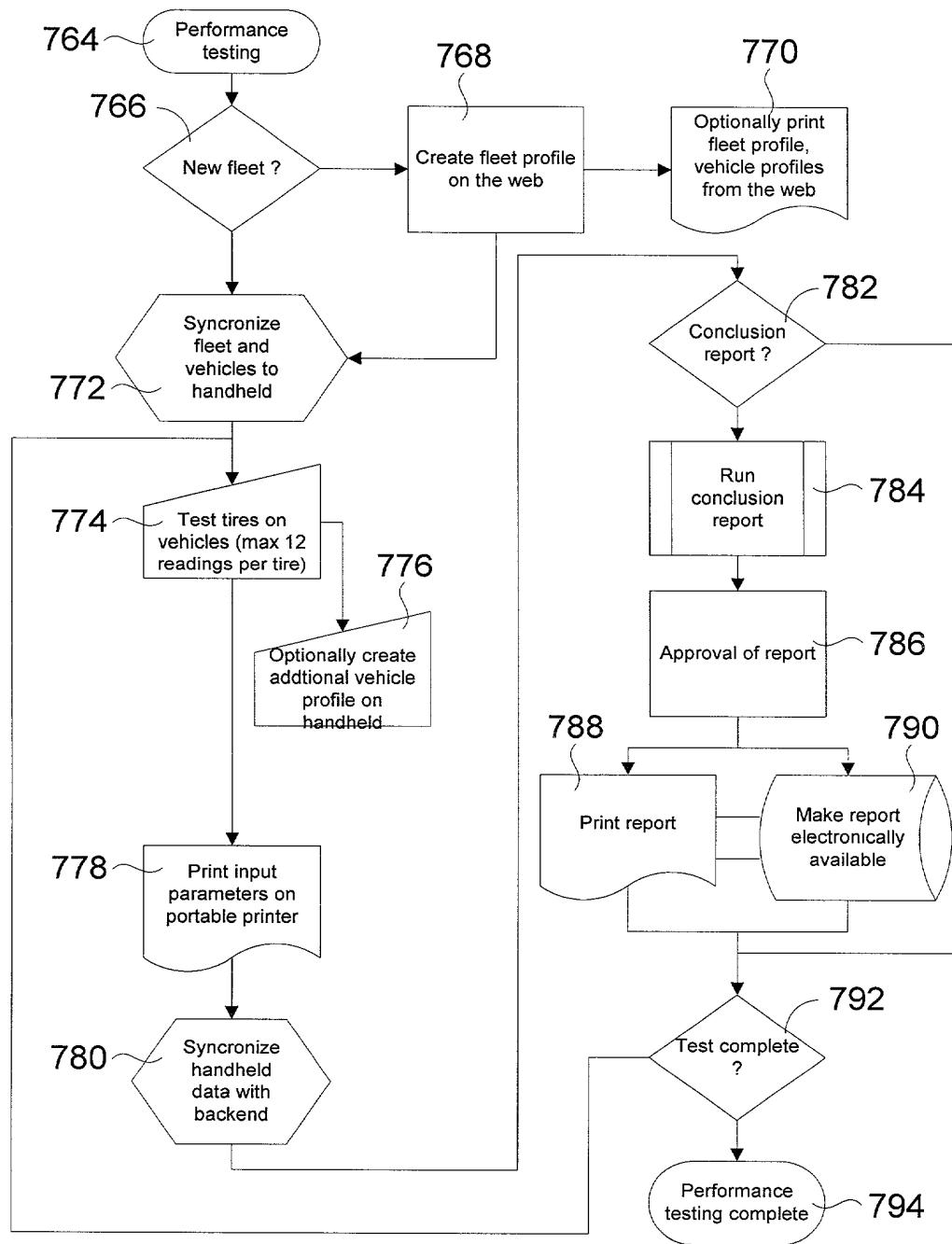


FIG. 57

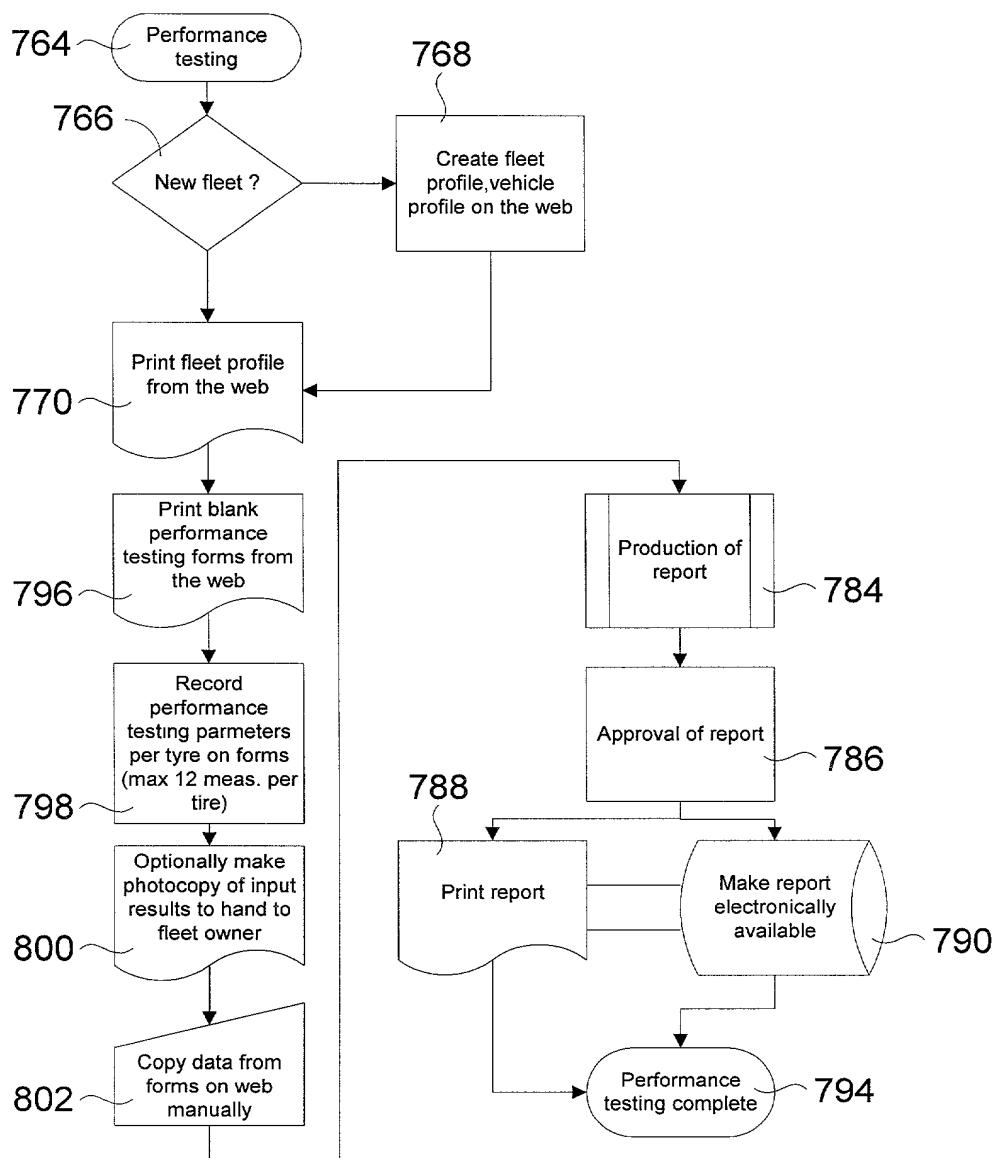


FIG. 58

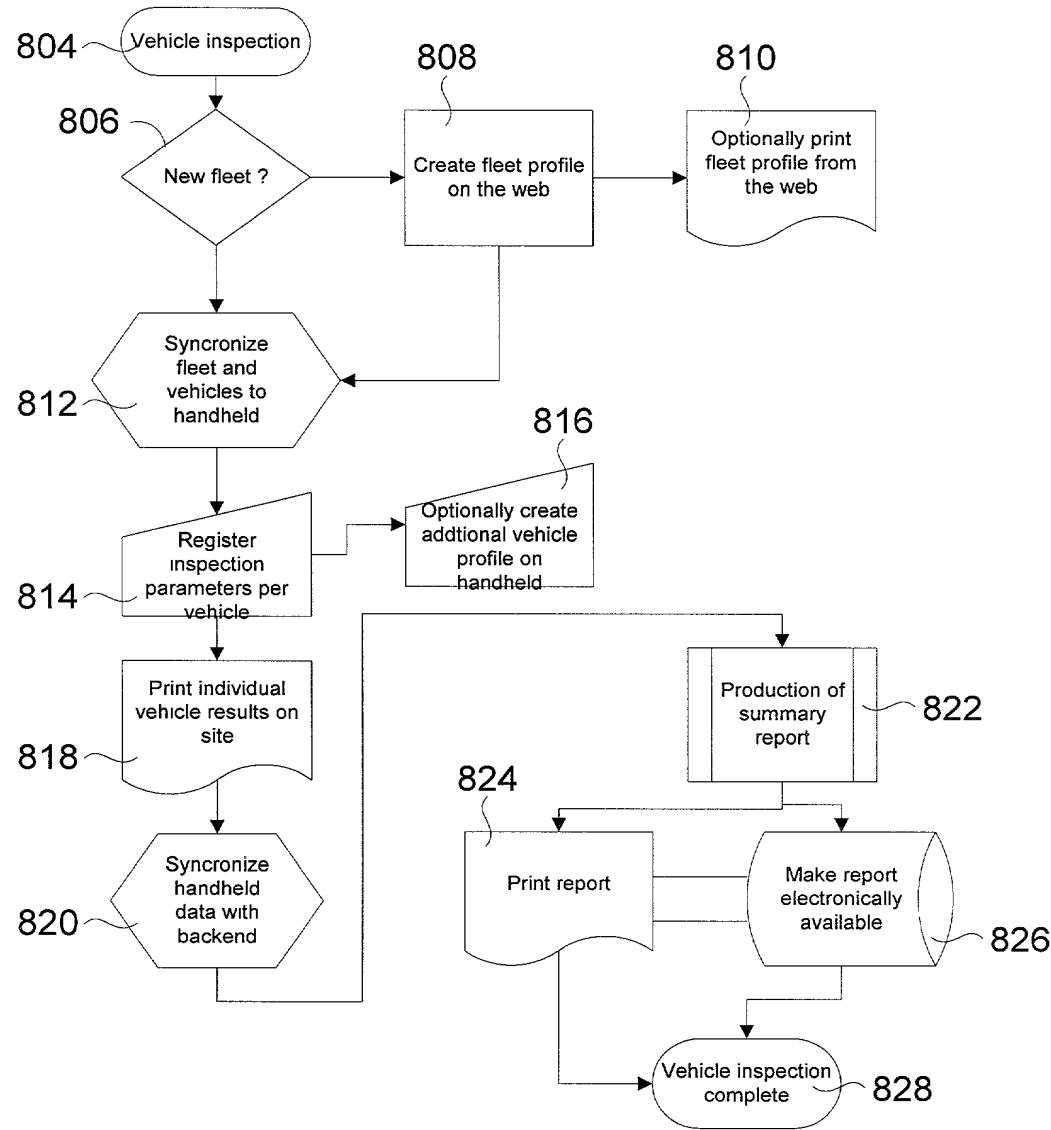


FIG. 59

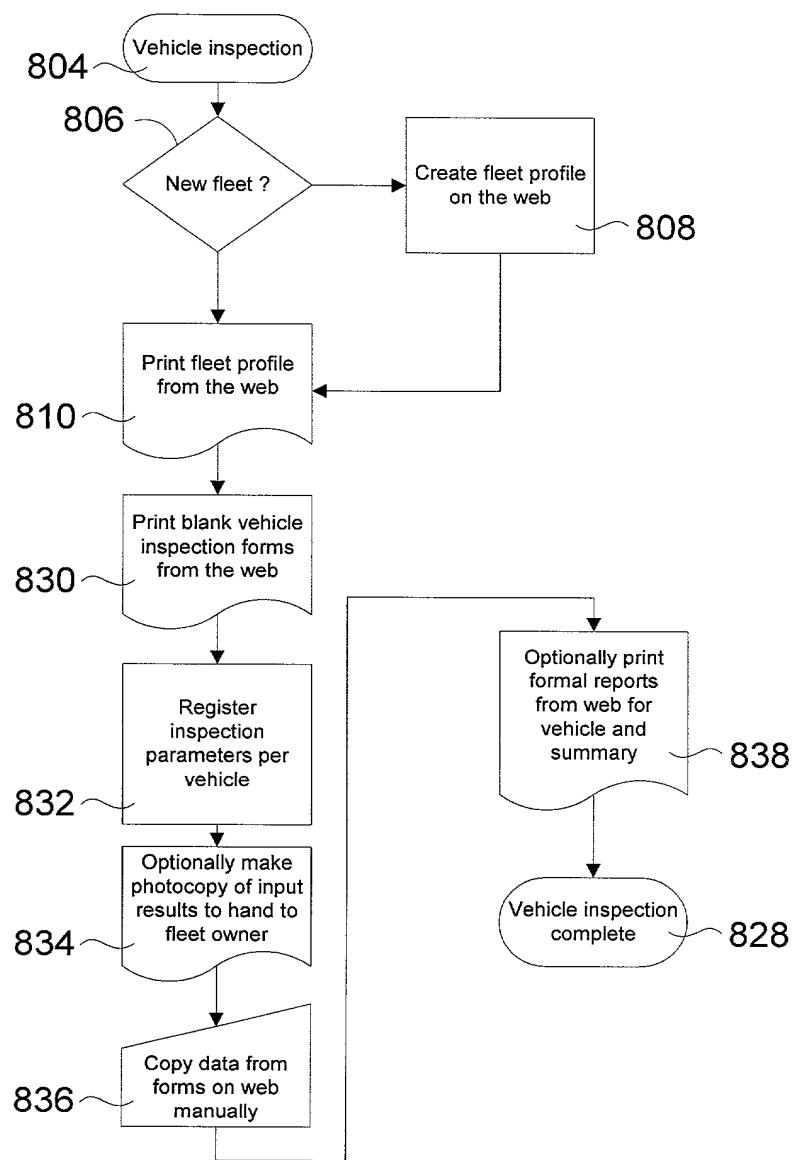


FIG. 60

Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 61

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The screenshot shows a Microsoft Internet Explorer window with the title "GFAT - Microsoft Internet Explorer". The address bar contains "http://localhost/gfat/blank.asp". The menu bar includes File, Edit, View, Favorites, Tools, Help, Back, Stop, Refresh, Home, Search, Favorites, History, Mail, Print, Edit, File, Encoding. The toolbar includes Go, Links, Stop, Refresh, Home, Search, Favorites, History, Mail, Print, Edit, File, Encoding. The table has columns: NAME, CITY, State/Province, Country, Market. The data rows are: name1, city1, State1, country1, market1; name2, city2, State2, country2, market2; name3, city3, State3, country3, market3; name4, city4, State4, country4, market4; name5, city5, State5, country5, market5; name6, city6, State6, country6, market6; name7, city7, State7, country7, market7; name8, city8, State8, country8, market8; name9, city9, State9, country9, market9; name10, city10, State10, country10, market10.

NAME	CITY	State/Province	Country	Market
name1	city1	State1	country1	market1
name2	city2	State2	country2	market2
name3	city3	State3	country3	market3
name4	city4	State4	country4	market4
name5	city5	State5	country5	market5
name6	city6	State6	country6	market6
name7	city7	State7	country7	market7
name8	city8	State8	country8	market8
name9	city9	State9	country9	market9
name10	city10	State10	country10	market10

FIG. 62

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The screenshot shows a Microsoft Internet Explorer window with the title "GFAT - Microsoft Internet Explorer". The address bar contains "http://localhost/gfat/search.asp". The menu bar includes File, Edit, View, Favorites, Tools, Help, Back, Stop, Refresh, Home, Search, Favorites, History, Mail, Print, Edit, File, Encoding. The toolbar includes Go, Links, Stop, Refresh, Home, Search, Favorites, History, Mail, Print, Edit, File, Encoding. The search form includes fields: Fleet Name, Fleet Type, Country, City, Market Segment, State/Province, Zip Code. The table has columns: NAME, CITY, State/Province, Country, Market. The data rows are: name1, city1, State1, country1, market1; name2, city2, State2, country2, market2; name3, city3, State3, country3, market3; name4, city4, State4, country4, market4; name5, city5, State5, country5, market5; name6, city6, State6, country6, market6; name7, city7, State7, country7, market7; name8, city8, State8, country8, market8.

NAME	CITY	State/Province	Country	Market
name1	city1	State1	country1	market1
name2	city2	State2	country2	market2
name3	city3	State3	country3	market3
name4	city4	State4	country4	market4
name5	city5	State5	country5	market5
name6	city6	State6	country6	market6
name7	city7	State7	country7	market7
name8	city8	State8	country8	market8

FIG. 63

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GFAT - Microsoft Internet Explorer

Fleet Maintenance

Fleets Dealers Surveys Handheld Regio Help

New Save Delete Security Vehicle Types Tire Types

1 Fleet Information

Fleet ID:	External ID:	
Fleet Name:	Fleet Type:	
Links up to Fleet:	Type of Link:	
Country:	State/Province:	
City:	Zip Code:	
Market Segment:	Document Language:	
Fleet Language:	Fleet Logo:	Fleet Picture:
Fleet Picture:		

2 Fleet Location(s)

Fleet	Location	City	State/Province	Country	Hub
Fleet1	Location1	tmpcity2	State1	tmpcountry1	tmpmarket1
Fleet2	Location2	tmpcity2	State2	tmpcountry2	tmpmarket2
Fleet3	Location3	tmpcity2	State3	tmpcountry2	tmpmarket2

New Save Delete

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Go to Top

Done

Start Inbox Dialer Edit File Search GFAT - Microsoft Internet Explorer Virtual Source Exploring - C Exploring - D United Note Exploring - D Microsoft Word 3:34 PM

FIG. 64

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GFAT - Microsoft Internet Explorer

Search for Fleet Location

Fleets Dealers Surveys Handheld Regio Help

New Open Delete In Service Tire Inspection Out of Service Analysis Vehicle Inspection Performance Tracking

1 Fleet Information

Fleet Name:	Market Segment:
Country:	State/Province:
City:	Zip Code:

2 Fleet Location(s)

Fleet	Location	City	State/Province	Country	Hub
Fleet1	Location1	tmpcity2	State1	tmpcountry1	tmpmarket1
Fleet2	Location2	tmpcity2	State2	tmpcountry2	tmpmarket2
Fleet3	Location3	tmpcity2	State3	tmpcountry2	tmpmarket2

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Go to Top

Done

Start Inbox Dialer Edit File Search GFAT - Microsoft Internet Explorer Virtual Source Exploring - C Exploring - D United Note Exploring - D Microsoft Word 3:34 PM

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall

Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 65

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GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Encoding

Address: http://localhost/gfat/location.asp

Fleet Location Maintenance

New Save Delete Security Location Vehicles In Service/Inspection Out Of Service Analysis Vehicle Inspection Performance Tracking

Location Information

Location ID: External IDs:

Fleet Name: Location Name:

Country: State/Province:

City: Zip Code: Valid From:

Status: Currency:

Market Segment: Location Language: Document Language:

Vehicle Information

Weight Unit: Miles Unit: Vehicles Identified: License Plate Vehicle ID

Pressure Unit: Zip Code:

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Done Local Intranet

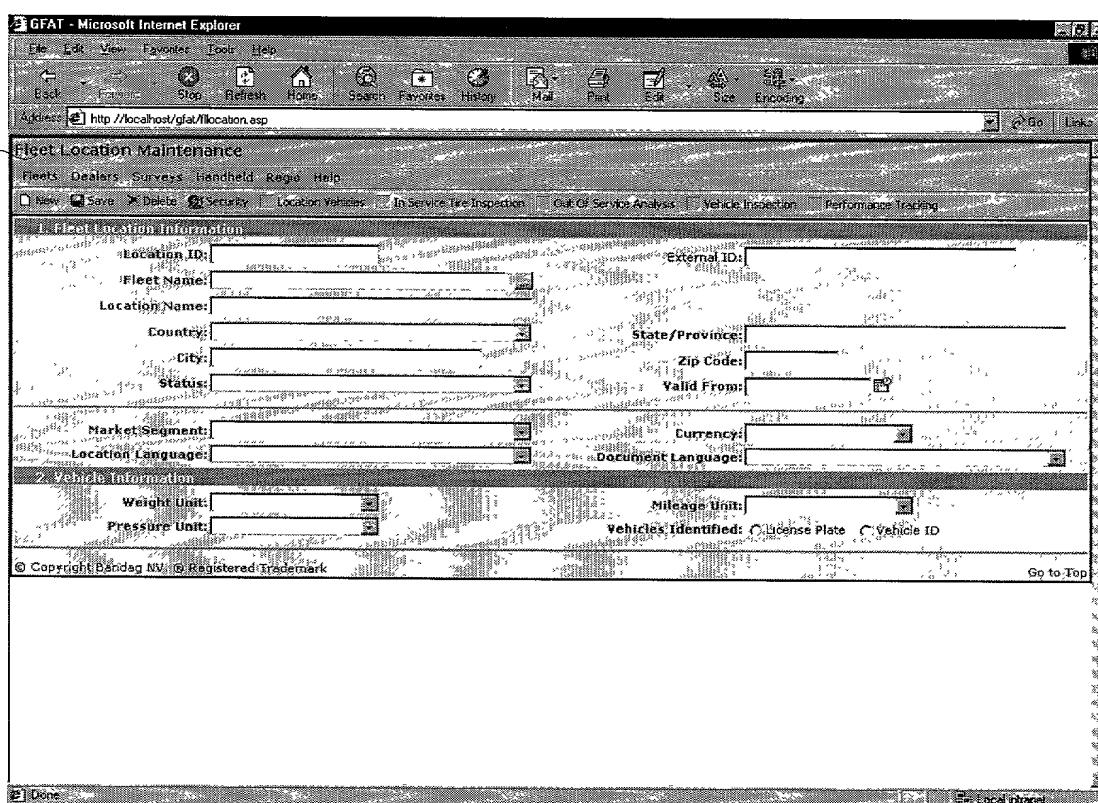


FIG. 66

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GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Encoding

Address: http://localhost/gfat/dlrHQ.asp

Search for Dealer

New Open Delete

Dealer Name: Dealer ID: Country: State/Province: Zip Code:

name1	city1	State1	country1
name2	city2	State2	country2
name3	city3	State3	country3
name4	city4	State4	country4
name5	city5	State5	country5
name6	city6	State6	country6
name7	city7	State7	country7
name8	city8	State8	country8

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Done Local Intranet

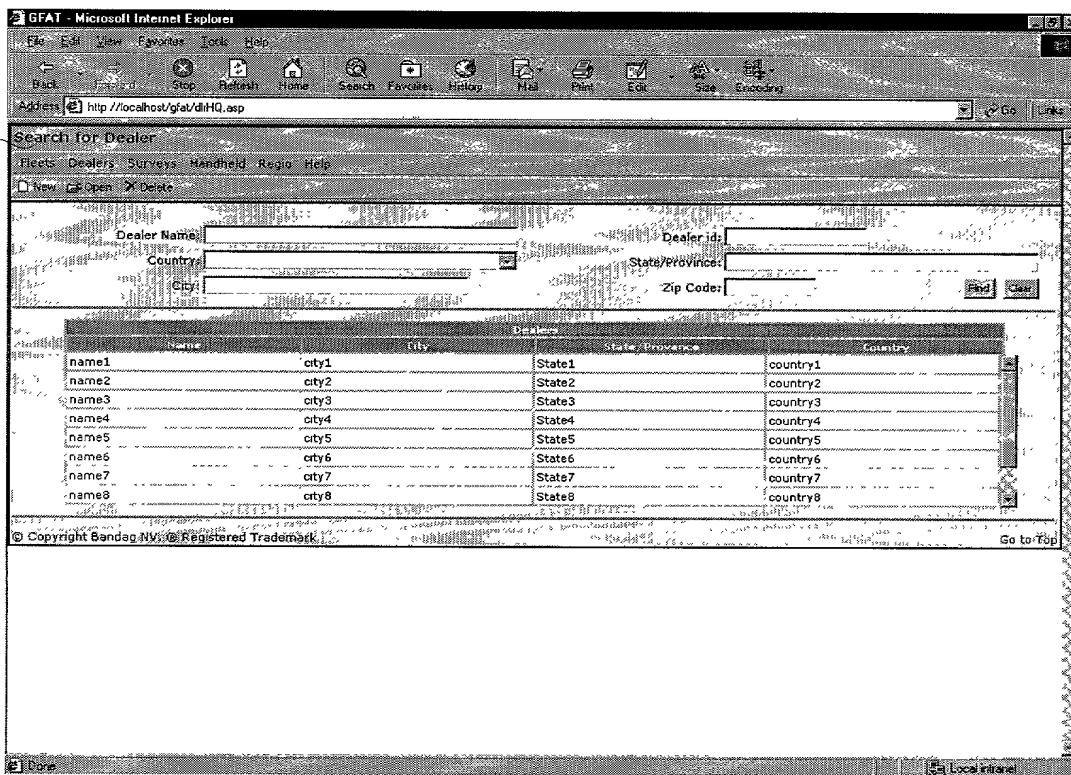


FIG. 67

852

Dealer Location HQ Maintenance

Fleet Dealers Surveys Handheld Regis Help

New Save Delete Link Dealer To

1. General Information

Dealer ID: Dealer Name:

Country: State/Province:

City: Zip Code:

External System Identifier: External Key Reference:

2. Dealer Location(s)

Location Name	Dealer Location		
Fleet1	tmpcity2	State1	tmpcountry1
Fleet2	tmpcity2	State2	tmpcountry2
Fleet3	tmpcity2	State3	tmpcountry2

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Done Local Internet Start Inbox EditPlus FIGAT Virtus Sol Exploring United Exploring Microsoft dinesHQ PM 3:58 PM

FIG. 68

854

Search for Dealer Locations

Fleet Dealers Surveys Handheld Regis Help

New Open Delete

Dealer Name: External ID:

Country: State/Province:

City: Zip Code:

Dealer Locations

Dealer	Location	Type	State/Province	Country
name1	city1	State1	country1	market1
name2	city2	State2	country2	market2
name3	city3	State3	country3	market3
name4	city4	State4	country4	market4
name5	city5	State5	country5	market5
name6	city6	State6	country6	market6
name7	city7	State7	country7	market7
name8	city8	State8	country8	market8

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Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 69

856 ~

CAMWEB - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Refresh Home Search Favorites History Mail Print Help Encoding

Address: Go Back Stop Refresh Encoding

Dealer Locations/Franchises Maintenance

Fleets Dealers Surveys Handheld Radio Help

1. General Information

Location ID: External ID:
Dealer Name:
Location Name:
Country: State/Province:
City: Zip Code:

2. External System Identifier

External System Identifier: External/Key Reference:

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Done Local Internet

Start Inbox Out E-mail P CAMWEB Visual Studio Internet Explorer Unfiled Exploring Microsoft Internet Explorer 4:05 PM

FIG. 70

858 ~

GFAI - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Refresh Home Search Favorites History Mail Print Help Encoding

Address: Go Back Stop Refresh Encoding

Fleet Vehicle Types

Fleets Dealers Surveys Handheld Radio Help

1. Vehicle Type Overview

Denomination	Vehicle Type	Configuration	Application	Valid From	Valid Until
test Bus 1	Bus	4X6	vervoer	1/1/2000	1/1/2001
test Bus 2	Bus	6X4	vervoer 2	1/1/1999	1/1/2001

2. Vehicle Info

Denomination:
Vehicle Type:
Configuration:
Application:
Valid From:
Valid Until:
Number in Fleet:
Tires/Vehicle:
Distance per Year:
Spares:

3. Axle Information

Axle Type	Steering	Free Rolling	Drive	None
Steering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Rolling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Axle Configuration

Axle Full Point: Pressure:
Steer: Driven: Lift:
Drives: Free Rolling:

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Done Local Internet

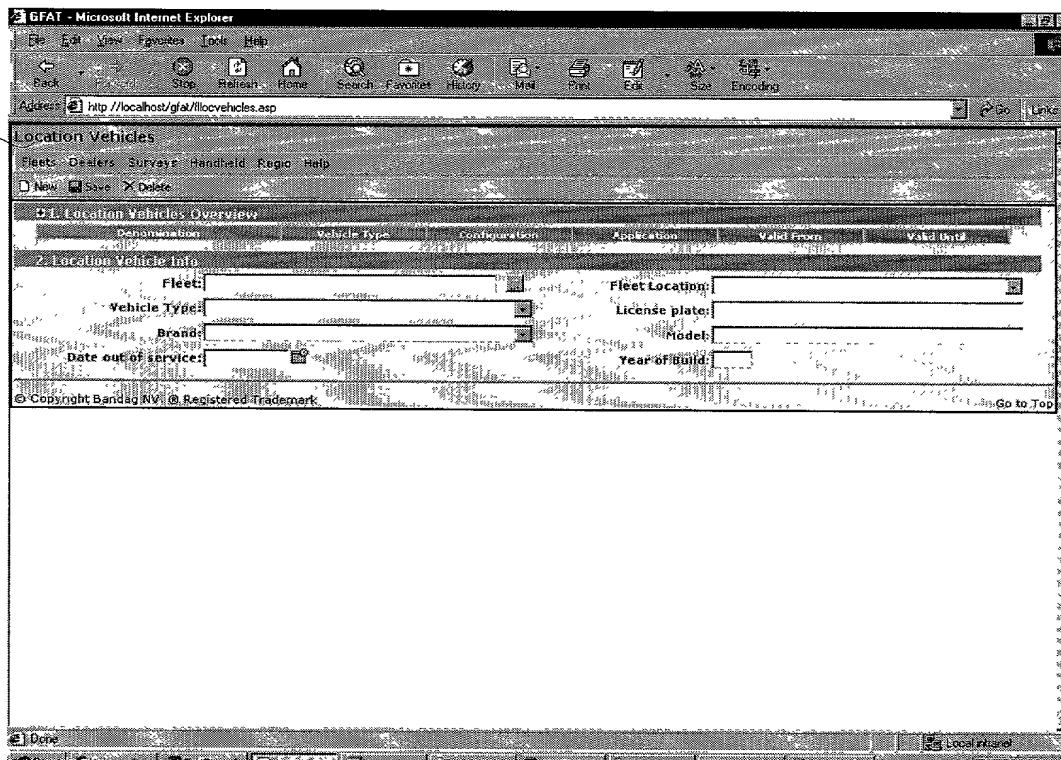
Start Inbox Out E-mail P GFAI Visual Studio Internet Explorer Unfiled Exploring Microsoft Internet Explorer 4:07 PM

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall

Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 71

860



Location Vehicles

Fleets Dealer Surveys Handheld Regio Help

New Open Delete

2.1. Location Vehicles Overview

Location Vehicle Info

Fleet: Fleet Location:
Vehicle Type: License plate:
Brand: Model:
Date out of service: Year of build:

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Go to Top

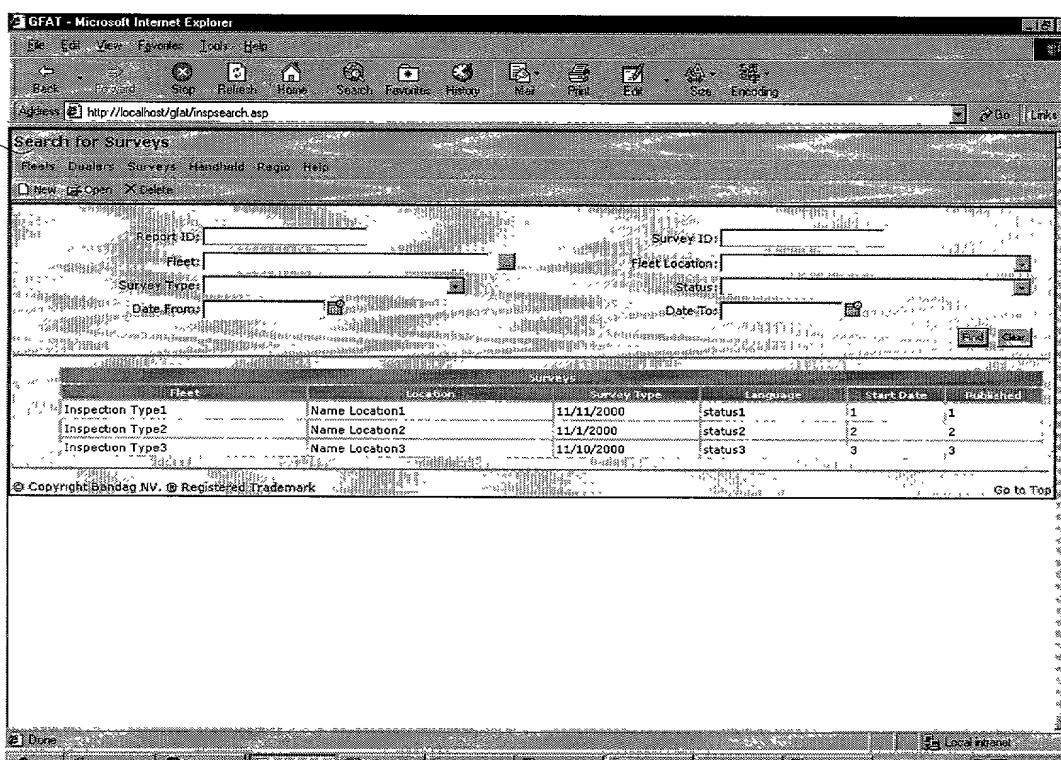
Done

Start | Control Panel | Editors | GFAT | Visual Studio | Explorer | United | Explorer | Microsoft | Internet Options | Help | Local Internet | Home | Back | Forward | Stop | Refresh | Favorites | Help | Print | Edit | See | Encoding

Address: http://localhost/gfa/locvehicles.asp

FIG. 72

862



Search for Surveys

Fleets Dealer Surveys Handheld Regio Help

New Open Delete

2.1. Search for Surveys

Report ID: Survey ID:
Fleet: Fleet Location:
Survey Type: Status:
Date From: Date To:

SURVEYS

Fleet	Location	Survey Type	Status	Start Date	Completed
Inspection Type1	Name Location1	11/11/2000	status1	1	1
Inspection Type2	Name Location2	11/1/2000	status2	2	2
Inspection Type3	Name Location3	11/10/2000	status3	3	3

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Go to Top

Done

Start | Control Panel | Editors | GFAT | Visual Studio | Explorer | United | Explorer | Microsoft | Internet Options | Help | Local Internet | Home | Back | Forward | Stop | Refresh | Favorites | Help | Print | Edit | See | Encoding

Address: http://localhost/gfa/spssearch.asp

FIG. 73

864 ~

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Refresh Home Search Favorites History Mail Print Edit Size Encoding

Address: <http://localhost/gfat/inspreach.asp> Go Links

Search for Surveys

Fleets Dealers Surveys Handheld Regis Help

New Open Date

Report ID: Survey ID:

Fleet: Fleet Locations: Status:

Survey Type: Performance Testing Date From: Date To:

Fleet Type: Market Segment:

Country: State/Provinces: Vehicle Type:

Application: Tread Design 1: Tread Design 3:

Tread Design 2: Tread Design 4:

Surveys

Fleet	Location	Survey Type	Language	Start Date	Published
Inspection Type1	Name Location1	11/1/2000	status1	1	1
Inspection Type2	Name Location2	11/1/2000	status2	2	2
Inspection Type3	Name Location3	11/1/2000	status3	3	3

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Done Local/Internet Start Internet Explorer Microsoft Internet Explorer 5.0 NL 4:10 PM

FIG. 74

866 ~

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Size Encoding

Address: <http://localhost/gfat/inspmain.asp?SurveyType=STI> Go Links

In-Service Tyre Inspection

Fleets Dealers Surveys Handheld Regis Help

New Survey Save Survey Date Survey Survey Readings Survey Society

General Survey Information

Fleet: Fleet Location: Dealer: Dealer Location:

Planned On: From: Until: Performed By:

Initiated By: Report Presented To:

Participants:

Report Information

First Immediate Action: First Work Order:

Report generated: Language: Report Published:

10/01/2000 English 20/01/2000

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Done Local/Internet Start Internet Explorer Microsoft Internet Explorer 5.0 NL 4:10 PM

Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 75

868

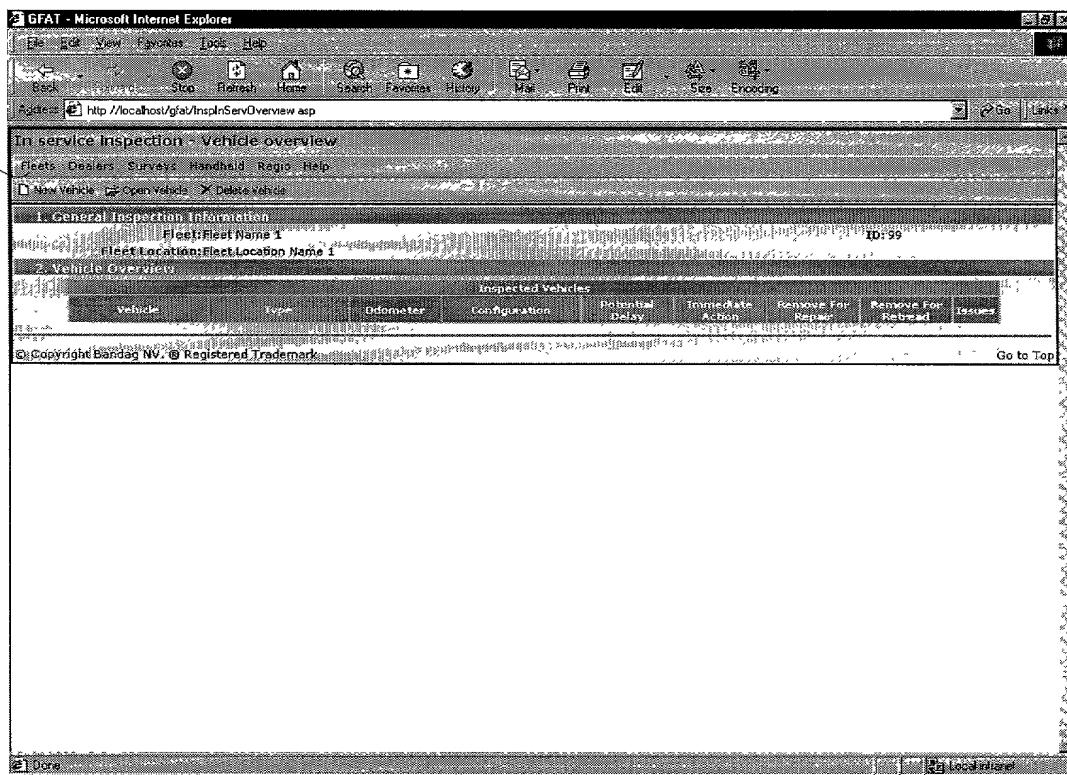


FIG. 76

870

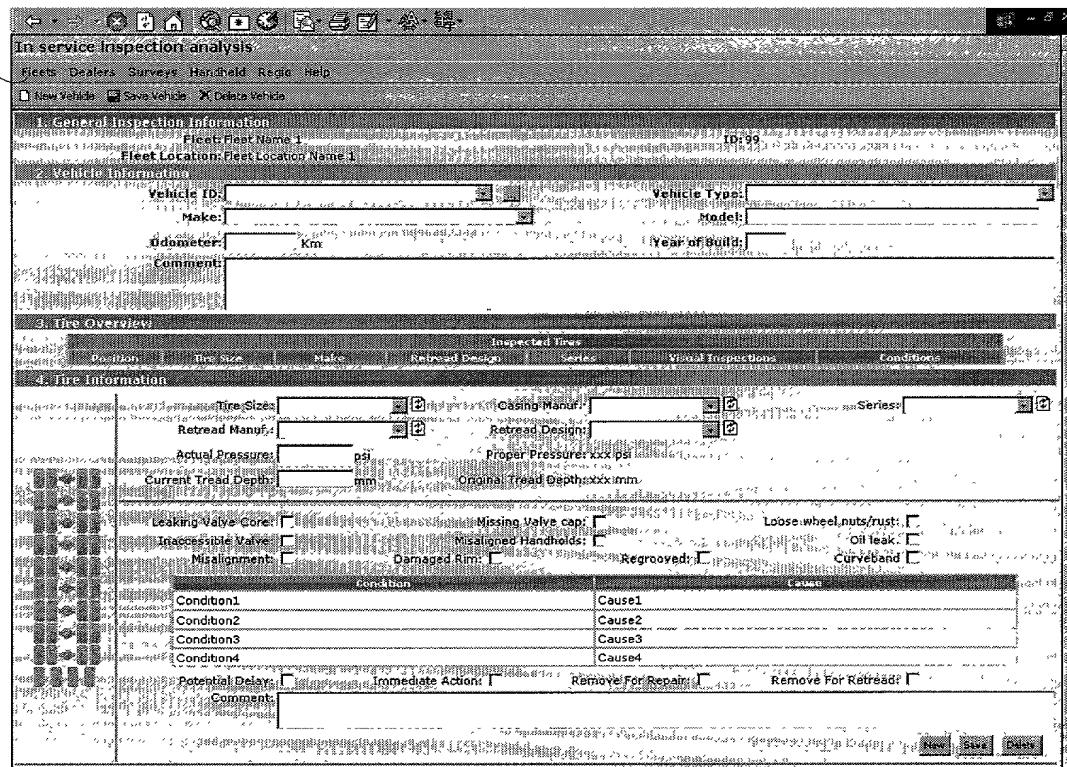


FIG. 77

872

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost/gfa/rnsplant.asp?SurveyType=DOSTA

Out of Service Analysis

Fleets Dealers Surveys Handheld Rego Help

New Survey Edit Survey Delete Survey Survey Readings Survey Security

General Survey Information

Fleet: Fleet Location:
Dealer: Dealer Location:
Planned On: From:
Initiated By: Until:
Participants: Performed By:
Report Presented To:

Report Information

First Summary Report: First Casing Collection:
Report Generated: Last Used: Report Published:
10/01/2000 English 20/01/2000

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Done Local Internet

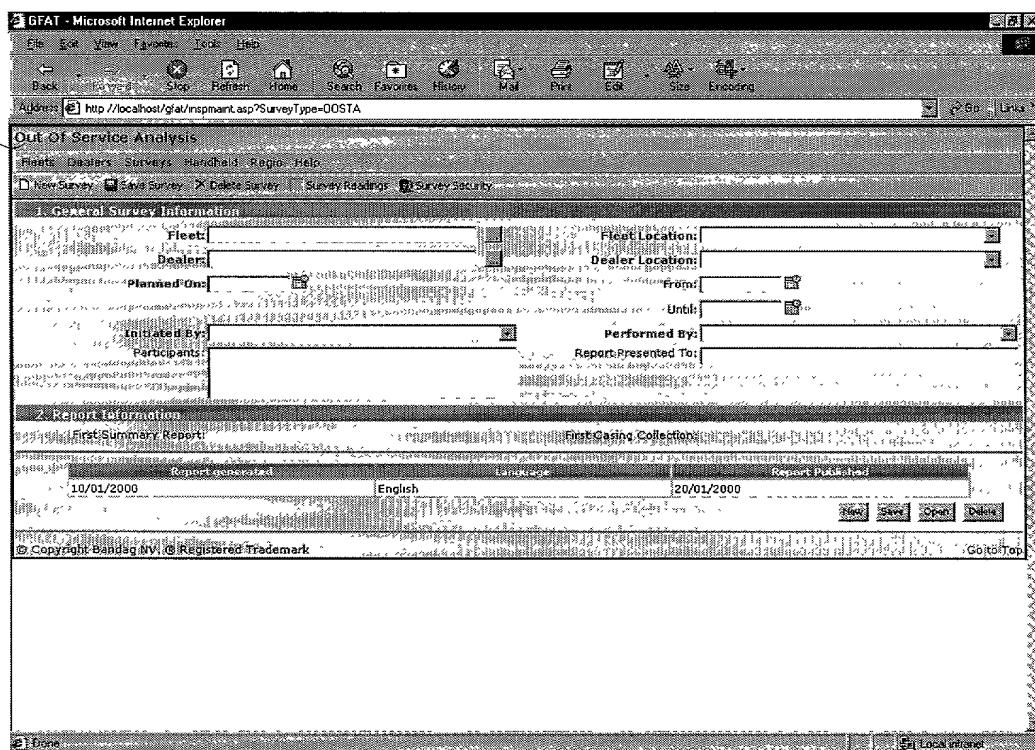


FIG. 78

874

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost/gfa/rnspostOverview.asp

Out of service analysis - Tire overview

Fleets Dealers Surveys Handheld Rego Help

New Tire Open Tire Delete Tire

General Information

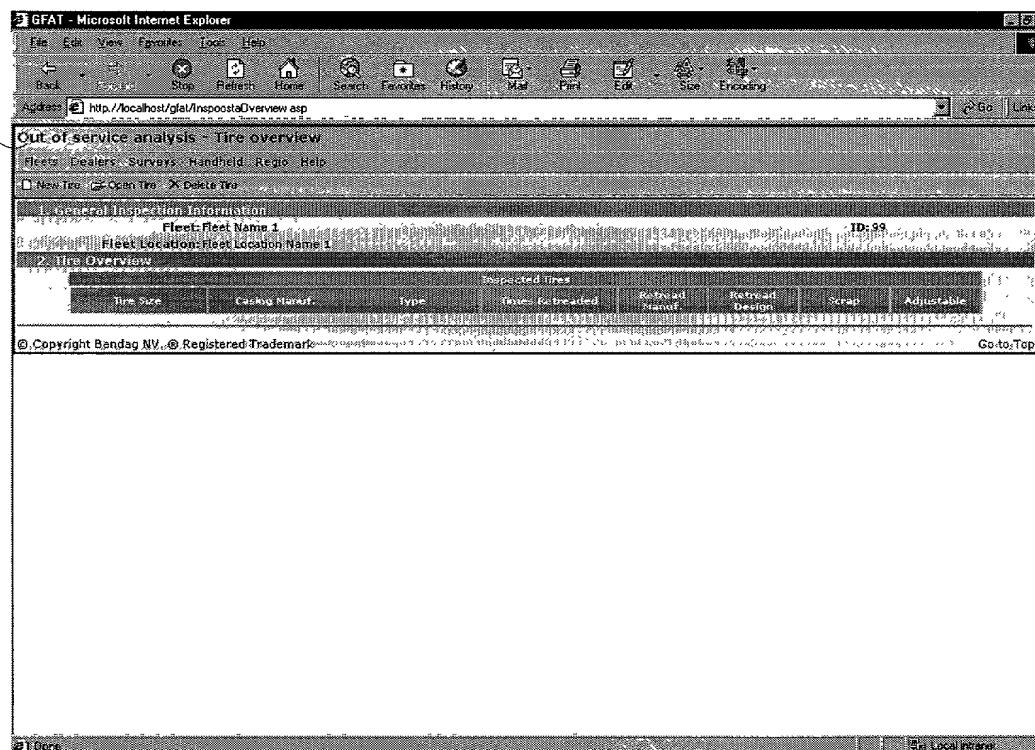
Fleet: Fleet Name 1 ID: 99
Fleet Location: Fleet Location Name 1

Tires Overview

Selected Tires							
Tire Size	Casing Material	Type	Tires Retreaded	Retread Status	Retread Design	Scrap	Adjustable
205/70R14	Steel	Radial	Yes	Yes	Yes	Yes	Yes

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Done Local Internet



System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall

Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 79

876

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Site Encoding

Address http://localhost/gfat/inspoosta.asp

Out of service analysis

Fleets Dealers Surveys Handheld Rego Help

New Survey Save Survey Delete Survey Survey Readings Survey Security

1. General Inspection Information

Fleet: Fleet Name: 1 ID: 99
Fleet Location: Fleet Location Name: 1

2. Tire Information

Tire Size: [] Casing Material: [] Series: []
Rib/Traction: [] DOT Date: []
Times Retreaded: [] Retread Month: [] Retread Design: []
Retread DOT/Dealer: []
Retread DOT Date: [] Remaining Thread Depth: [] mm
Retreadable: [] Warrantable: []

3. Conditions Codes per tire

Condition	Name	Condition Area	Designability	Out of Service
Condition1	Cause1	CondArea1	x	[]
Condition2	Cause2	CondArea2	x	[]
Condition3	Cause3	CondArea3	x	[]
Condition4	Cause4	CondArea4	x	[]

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Done

Local Internet

FIG. 80

878

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Site Encoding

Address http://localhost/gfat/inspsmash.asp?SurveyType=VI

Vehicle Inspection

Fleets Dealers Surveys Handheld Rego Help

New Survey Save Survey Delete Survey Survey Readings Survey Security

1. General Survey Information

Fleet: [] Fleet Locations: []
Dealer: [] Dealer Location: []
Planned On: [] Date Presented: []
Initiated By: [] Performed By: []
Participants: [] Report Presented To: []

2. Survey Information

First Summary Report: [] First Detail Collection: []

Report generated: 10/01/2000 Language: English Report Published: 20/01/2000

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Go to Top

Done

Local Internet

System and Method for Data Collection, Reporting, and Analysis of Fleet Vehicle Information
Mark Winkler, Troy Fridley and Dennis Hall

Attorney Docket No. 501606, Telephone: 815-963-7661

FIG. 81

880

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Size Encoding

Address: Go Links

Vehicle Inspection

Fleets Dealers Surveys Handheld Radio Help

New Inspection Save Inspection Delete Inspection Load Vehicles

General Survey Information

Fleet: Fleet Name 1 ID: 99
Fleet Location: Fleet Location Name 1

Vehicle Information

Vehicle ID: Vehicle Type: ID: 99

Make: Model: Year of Build:

Odometer: Km² Miles Year:

Attribute: attribute1 attribute2 attribute3

Comments:

Actions: Delete Details Actions

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Done Local Internet

FIG. 82

882

CAMWEB - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Size Encoding

Address: Go Links

Search for Reports

Fleets Dealers Surveys Handheld Radio Help

New Report Open Report Delete Report

Report ID: Survey ID:

Fleet: Survey Type: Status:

Date From: Date To:

Surveys

Fleet	Location	Survey Type	Language	Created	Published
Fleet1	Name Location1	Inspection Type1	English	10/10/2000	11/11/2000
Fleet2	Name Location2	Inspection Type2	English	10/10/2000	11/11/2000
Fleet3	Name Location3	Inspection Type3	English	10/10/2000	11/11/2000

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Done Local Internet

FIG. 83

884

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Refresh Home Search Favorites History Mail Print Encoding

Address: http://localhost/gfat/reportsearch.asp

Search for Reports

Fleets Dealers Surveys Handheld Radio Help

Check Report Open Report Delete Report

Report ID: [] Survey ID: []

Fleet: [] Fleet Location: []

Survey Type: Performance Testing Status: []

Date From: [] Date To: []

Fleet Type: [] Market Segment: []

Country: [] Site/Provinces: []

Application: [] Vehicle Type: []

Tread Design 1: [] Tread Design 3: []

Tread Design 2: [] Tread Design 4: []

Report ID: [] Survey ID: []

Fleet	Location	Survey Type	Document Language	Generated	Published
Fleet1	Name Location1	Inspection Type1	English	10/10/2000	11/11/2000
Fleet2	Name Location2	Inspection Type2	English	10/10/2000	11/11/2000
Fleet3	Name Location3	Inspection Type3	English	10/10/2000	11/11/2000

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Go to Top

Done

Start Internet Help Mail Print Encoding Report Calculate Report

5/11 5:05 PM

FIG. 84

886

GFAT - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Stop Refresh Home Search Favorites History Mail Print Encoding

Address: http://localhost/gfat/reportcreate.asp

Select Surveys for the Report

Fleets Dealers Surveys Handheld Radio Help

Generate New Report

Surveys selected for the new report

Report ID: [] Survey ID: []

Fleet: [] Fleet Location: []

Survey Type: [] Status: []

Date From: [] Date To: []

Survey	Fleet	Location	Start Date
Inspection Type1	Fleet1	Name Location1	11/11/2000
Inspection Type2	Fleet2	Name Location2	11/1/2000
Inspection Type3	Fleet3	Name Location3	11/10/2000

Surveys selected for the new report

Survey	Fleet	Location	Start Date
Inspection Type1	Fleet1	Name Location1	11/11/2000
Inspection Type2	Fleet2	Name Location2	11/1/2000
Inspection Type3	Fleet3	Name Location3	11/10/2000

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Start Internet Help Mail Print Encoding Report Calculate Report

5/11 5:05 PM

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FIG. 85

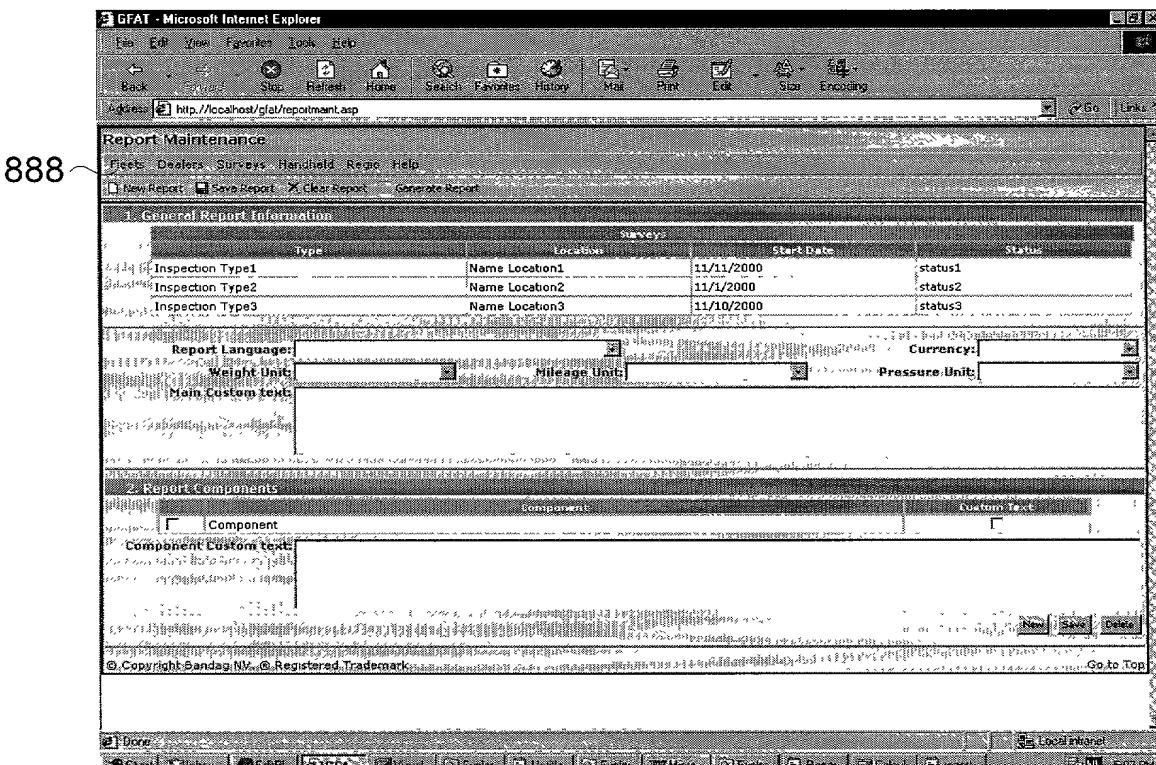


FIG. 86

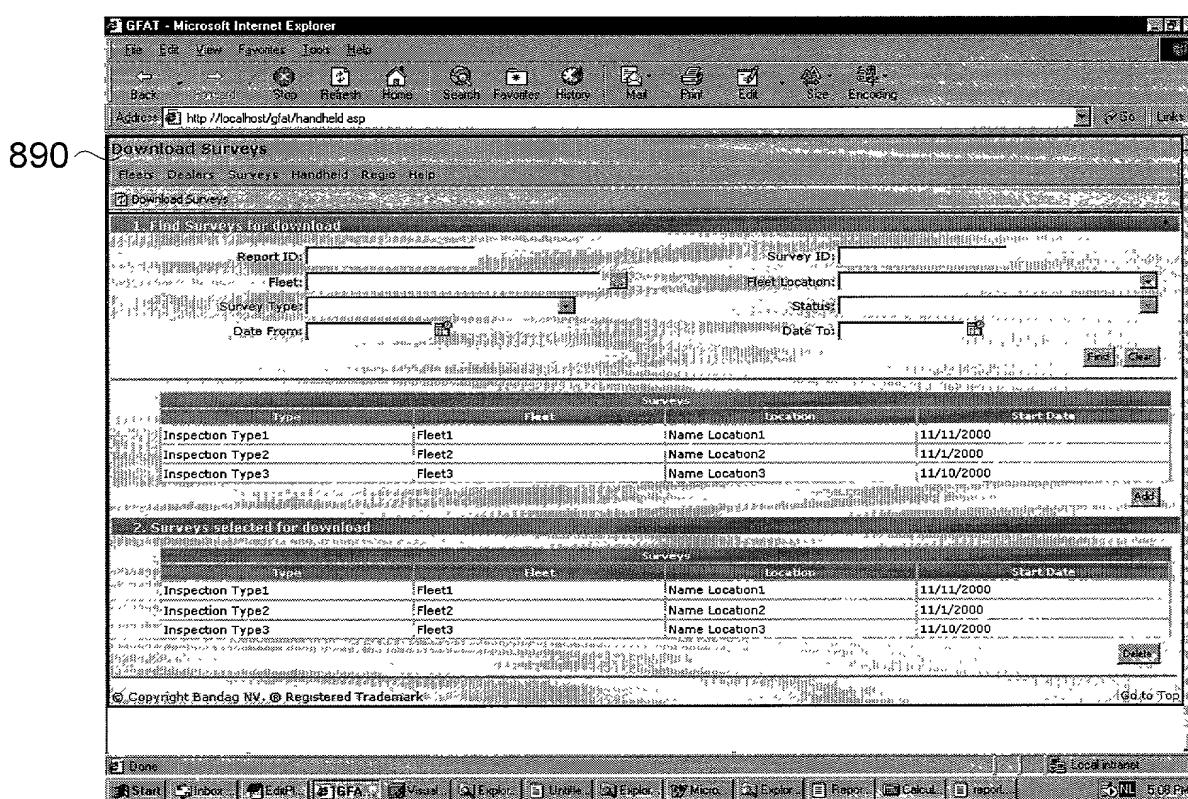


FIG. 87

Fleet tire types

892 ~

Fleets Dealers Surveyors Handheld Regis Help

① New

New Tire Types

FleetID	Location	Manufacturer Code	Design/Series	Tire Size	Price
fleetid1	city1	code1	serie1	size1	
fleetid2	city2	code2	serie2	size2	
fleetid3	city3	code3	serie3	size3	
fleetid4	city4	code4	serie4	size4	
fleetid5	city5	code5	serie5	size5	
fleetid6	city6	code6	serie6	size6	
fleetid7	city7	code7	serie7	size7	
fleetid8	city8	code8	serie8	size8	

Manufacturer Code: Design/Series: Tire Size:
Bias/Radial: Tread depth: Price:

② Retread

New Tire Types

FleetID	Location	Manufacturer Code	Design/Series	Tire Size	Price
fleetid1	city1	code1	serie1	size1	
fleetid2	city2	code2	serie2	size2	
fleetid3	city3	code3	serie3	size3	
fleetid4	city4	code4	serie4	size4	
fleetid5	city5	code5	serie5	size5	
fleetid6	city6	code6	serie6	size6	
fleetid7	city7	code7	serie7	size7	
fleetid8	city8	code8	serie8	size8	

Manufacturer Code: Design/Series: Tire Size:
Tread Depth: Price:

③ Casing

New Tire Types

FleetID	Location	Manufacturer Code	Tire Size	Price
fleetid1	city1	code1	size1	
fleetid2	city2	code2	size2	
fleetid3	city3	code3	size3	
fleetid4	city4	code4	size4	
fleetid5	city5	code5	size5	
fleetid6	city6	code6	size6	
fleetid7	city7	code7	size7	
fleetid8	city8	code8	size8	

Manufacturer Code: Tire Size: Price:

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Next **Save** **Clear** **Go to Top**

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FIG. 88

Tires Inspected by Vehicle Type						
Vehicle Type	Tires Per Vehicle	Vehicles in Fleet	Vehicles Inspected	% of Vehicles Inspected	Retread Ratio	
Tractor/4 x 2/ Regional/Cust Alias	6	100		10%	45%	
Trailer/6 x 0/ Regional/Cust Alias	6	200	20	10%	34%	
Total		300	30	10%		

896

FIG. 89

Casing Brands by Vehicle Type								
Vehicle Type	Tire Size	Tire Brand	Tires Inspected	Tires in Fleet	% Inspected	Avg Annual Mileage	New Tire Price	1st Life Casing Price
Tractor/4 x 2/ Regional/Cust Alias	11R22.5	Michelin		200	0%	100000	250	100
	385/65R22.5	Goodyear						
		Michelin						
Tractor/6 x 0/ Regional/Cust Alias	11R22.5	Michelin	99	200	50%	100000	250	100
	385/65R22.5	Goodyear						
		Michelin						
Total			99	400	25%			

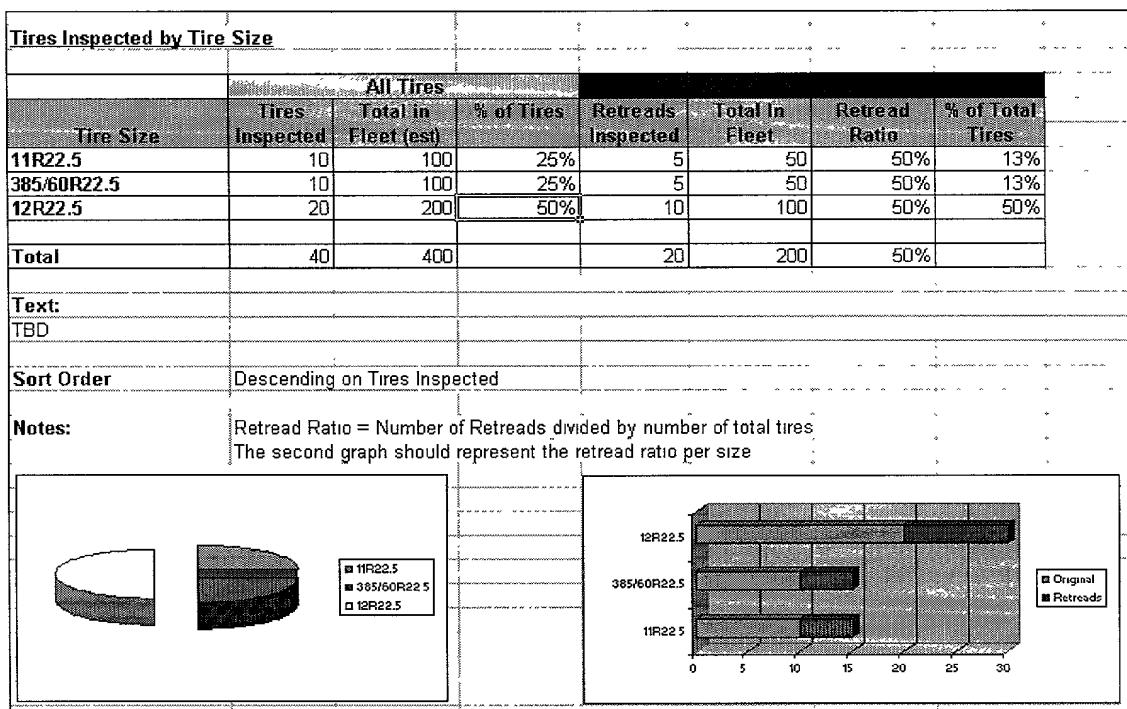
898

FIG. 90

Retread Brand by Vehicle Type								
Vehicle Type	Tire Size	Retread Brand	Tires Inspected	Tires in Fleet	% Inspected	Avg Annual Mileage	Retread Price	% of Retreads
Tractor/4 x 2/ Regional/Cust Alias	11R22.5	Bandag		200	0%	100000	250	67%
	385/65R22.5	Maragoni						33%
		Bandag						
Tractor/6 x 0/ Regional/Cust Alias	11R22.5	Bandag	99	200	50%	100000	250	10%
	385/65R22.5	Goodyear						60%
		Maragoni						30%
Total			99	400	25%			

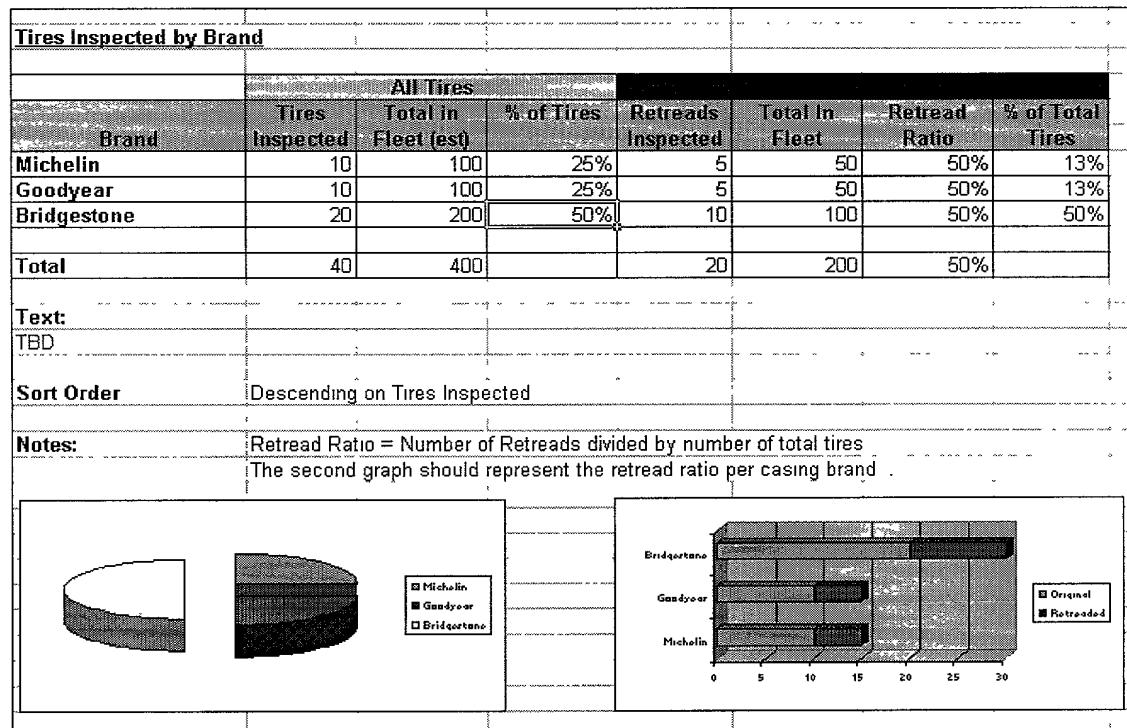
900

FIG. 91



902

FIG. 92



904

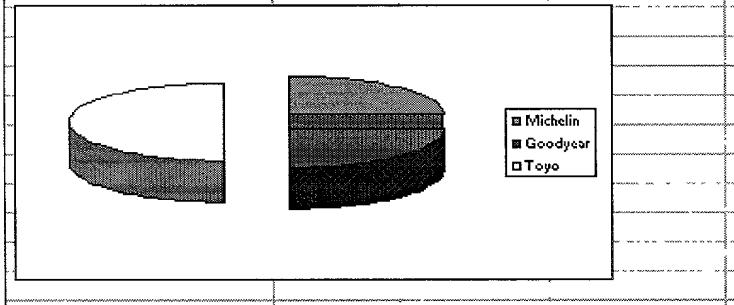
FIG. 93

Original Tires Inspected by Brand			
Brand	Originals Inspected	Total In Fleet	% of All Tires Inspected
Michelin	5	50	
Goodyear	5	50	10%
Toyo	10	100	20%
Total	20	200	

Text:
N/A

Sort Order Descending by Originals Inspected

Notes:



906

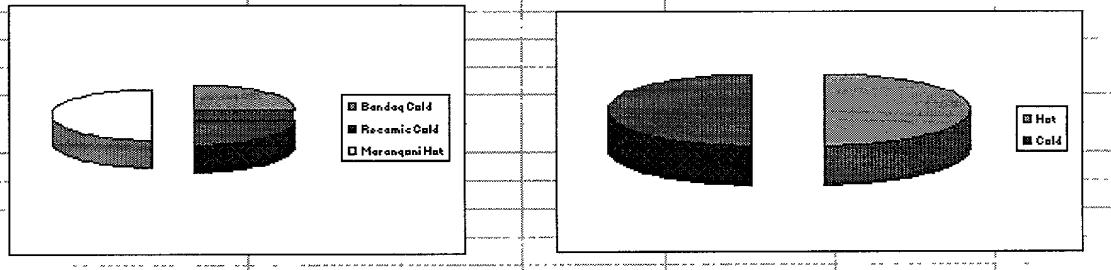
FIG. 94

Tires Inspected by Retread Brand					
Retread Brand	Cure Process	Retreads Inspected	Total In Fleet	% of All Tires Inspected	% of Retread Tires
Bandag	Cold	5		12%	15%
Recamic	Cold	5	50	10%	13%
Marangoni	Hot	10	100	20%	25%
Total		20	150		

Text:
TBD

Sort Order Bandag always on top then descending by Retreads Inspected

Notes:



908

FIG. 95

Retreads by Axel Type				
Axle Type	Tires in Fleet	Retreads in Fleet	Retread Ratio	% of Retreads Bandag
Steer	20			0%
Drive	80	40	50%	25%
Free Rolling	2400	2000	83%	30%
Lift	0	0		0%
Spare	0	0		0%
Total	2500	2,040	82%	

910

FIG. 96

Retread Potential							
Total Wheel Positions	Retread Potential	% Retread Potential	Retreads Inspected	Total Retreads in Fleet (est.)	Actual % Retreads	% Actual Bandag Retreads	% with Kerb bands
3000	2800	93%		2800	50%	75%	5%

912

FIG. 97

Spare Tires by Tire Size				
Tire Size	Tires	% of Spares Retreaded	% Under Pressure	Average Tread Depth
11R22.5	20	5%	100%	5
12R22.5	80	7%	50%	8
Total	100	6%	60%	6

914

FIG. 98

Tread Depths in Fleet

Tread depth Class	Inspected Tires	Total Tires Fleet	% of inspected Tires	Licence Plates	Comments Retreads
>5	60	600		N/A	
2->5	100	2,000	57%	List all licence plates with this problem	Optimal for retreading
>2	15	300	9%	List all licence plates with this problem	Danger!!!!
Total	175	2,900	66%		
Regrooved	5	100		List all licence plates with this problem.	

Text

xx tyres are estimated at risk and YY tyres are estimated optimal for retreading

1)count tyres <2mm * extrapolation factor 2)count tyres (>2mm and <5mm) * extrapolation factor

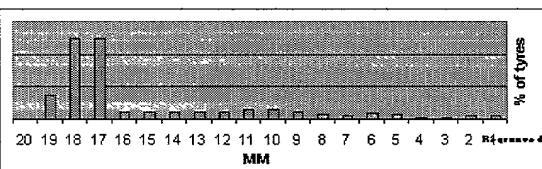
You could make an estimate of ZZ savings by pulling these casings in time

Sum [casing value for each tyre (<2 mm) and (>2mm <5mm)* extrapolation factor]

Text on dangers of regrooving

Sort Order NA

Notes:



916

FIG. 99

Inflation in Fleet

Inflation Class	Inspected Tires	Total Tires Fleet	% of inspected Tires
Over inflation 110%<	60	600	
Normal 96%-109%	50	500	27%
Under inflation 81%-95%	15	150	8%
Under inflation <80%	50	500	27%
In accessible valve	10	100	5%
Total	185	1,850	%

Text

Maintaining proper pressure could save you an estimate of ZZZZ

Removing an estimate of YY tyres with less than 80% pressure could save you XXXX

Sort Order NA

Notes:



- Over inflation 110%<
- Normal 96%-109%
- Under inflation 81%-95%
- Under inflation <80%
- In accessible valve

918

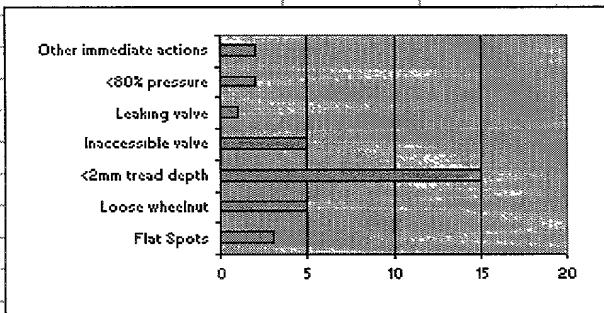
FIG. 100

Valves in Fleet					
Valve Problems	Inspected Tires	Total Tires in Fleet	% of Inspected Tires	Of which Inner Tires	% of Inner Tires
In accessible valve	10	100	10%	2	10%
Leaking valve	5	50	5%	N/A	N/A
Missing valve cap	6	60	6%	N/A	N/A
Total	21	210	%	2	%

920

FIG. 101

Immediate Actions in Fleet				
Immediate Action	Tires Inspected	Tires in Fleet	% of Inspected Tires	Vehicle Numbers
Flat Spots	3	30	10%	
Loose wheelnut	5	50	20%	
<2mm tread depth	15	150	20%	
Inaccessible valve	5	50	10%	
Leaking valve	1	10	5%	
<80% pressure	2	20	3%	
Other immediate action	2	20	1%	
Total	33	330	69%	



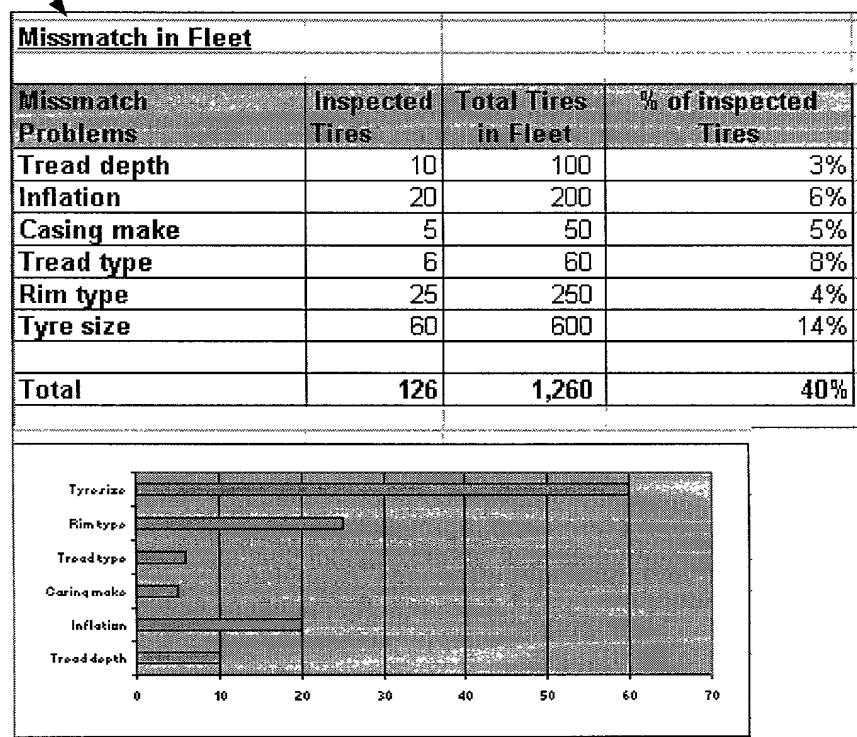
922

FIG. 102

Immediate Actions by Axle								
Axle Type	Immediate Action (other)	Flat Spots	Loose Wheel Nut	Tread Depth <2mm	Inaccessible valve	Inflation <80%	Leaking Valve	Total
Steer	2							2
Drive		3					2	5
Free Rolling					5			5
Lift			5					5
Spare				15			1	16
Total	2	3	5	15	5	2	1	33

924

FIG. 103



925

FIG. 104

Tread Depth Mismatch in Fleet				
Tread Depth Mismatch	% LOSS	Inspected Tires	Estimated KM Loss	Estimated Sum Inst
<5mm	0	10		
5-11mm	10	20	20	30
>11mm	20	5	20	30
Total	30	35	40	60

926

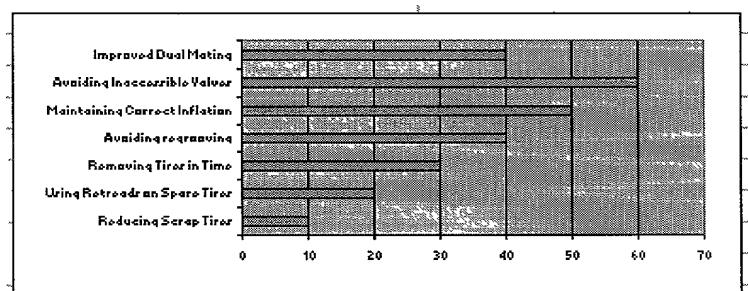
FIG. 105

Inflation Mismatch in Fleet				
Inflation Mismatch	Inspected Tires	% Loss	Estimated KM Loss	Estimated Sum Inst
0<>10	10	0		-
10<>20	20	10	50	60
20<>30	5	20	10	50
>30	20	50	20	20
Total	55		80	130

928

FIG. 106

<u>Potential Savings</u>	
<u>Potential Savings</u>	<u>Amount</u>
Reducing Scrap Tires	10
Using Retreads on Spare Tires	20
Removing Tires in Time	30
Avoiding regrooving	40
Maintaining Correct Inflation	50
Avoiding Inaccessible Valves	60
Improved Dual Mating	40
Total	250



930

FIG. 107

<u>Immediate Actions</u>	
Vehicle Registration/ N°:	ABC123 / 25
Problem:	
0 = 0	
00=00	
0X=00	Pressure <80%
0X=00	Tread depth <2mm
Vehicle Registration/ N°:	DFG456 / 26
Problem:	
X = 0	Loose wheel nut
00=00	
00=00	
00=00	
Vehicle Registration/ N°:	DFG456 / 26
Problem:	
00=XX	Tread depth <2mm/ Pressure <80%
00=00	
00=00	
Text:	N/A
Sort Order	Alphabetical by Vehcile Registration

932

FIG. 108

Fleet ABC	
Account Number	
Location Number	
Submitted By	
Date Submitted	
Work order	
Vehicle Registration/ N°:	ABC123 / 25
	Action:
0 = 0	
00=00	
0X=00	Match with DFG456 (1 left outer)
0X=00	Tread depth <2mm
Vehicle Registration/ N°:	DFG456 / 26
	Action:
X = 0	Match with ABC123 (3 left inner)
00=00	
00=00	
00=00	
Vehicle Registration/ N°:	KLM789 / 27
	Action:
00=XX	Demount for retread/ Puncture check
00=00	
00=00	
Text:	N/A
Sort Order	Alphabetical by Vehcile Registration
Notes:	

934

FIG. 109

OOSTA Summary

Tires Inspected	Number Rib	% Rib	Number Traction	% Traction	Not Retreaded	Retreaded One	Retreaded Two	Retreaded > Two	Average Casing Age	Avg Original Age	Avg Retread Age
Bias	99	50%	99	50%	29	30	20	20	5	2	7
Radial	99	50%	99	50%	29	30	20	20	5	2	7

Text: N/A

936

FIG. 110

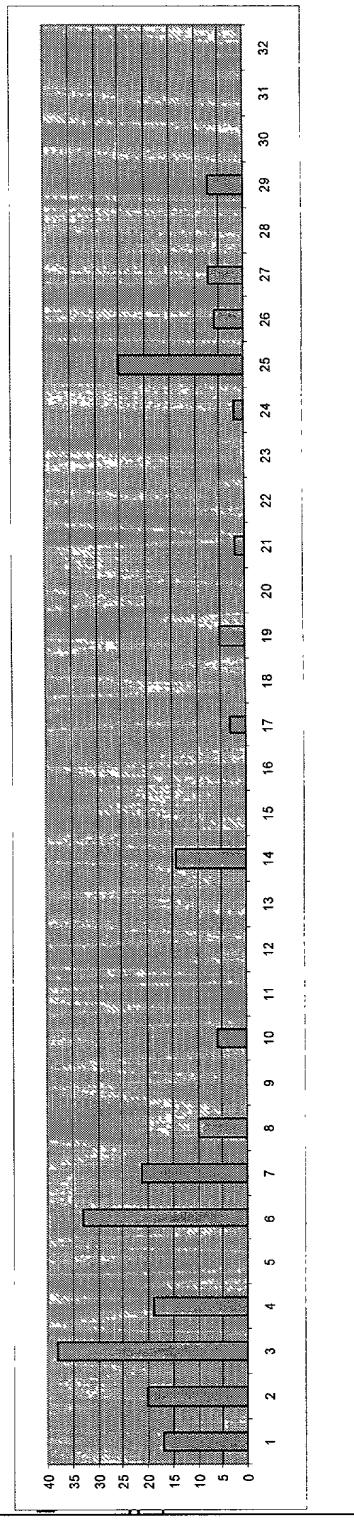
Usable Tread by Action

Action	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Retreadable	10	20	10	15	2	1																										
Repairable	5	10	5	5	5	2																										
New Adjustable	3	5	9	0	6	3																										
Retread Adjustable	10	5	0	0	5	8	4																									
Scrap	4	3	8		6																											
Total	17	20	38	19	0	33	21	10	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Text: TBD

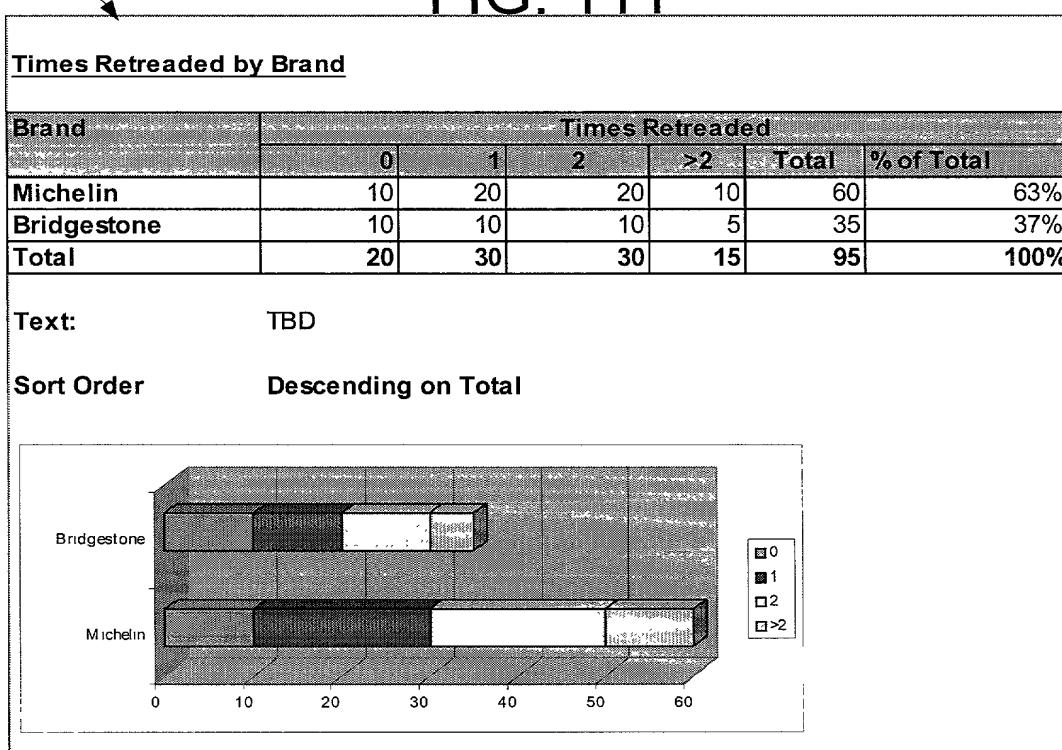
Sort Order

Exactly as shown



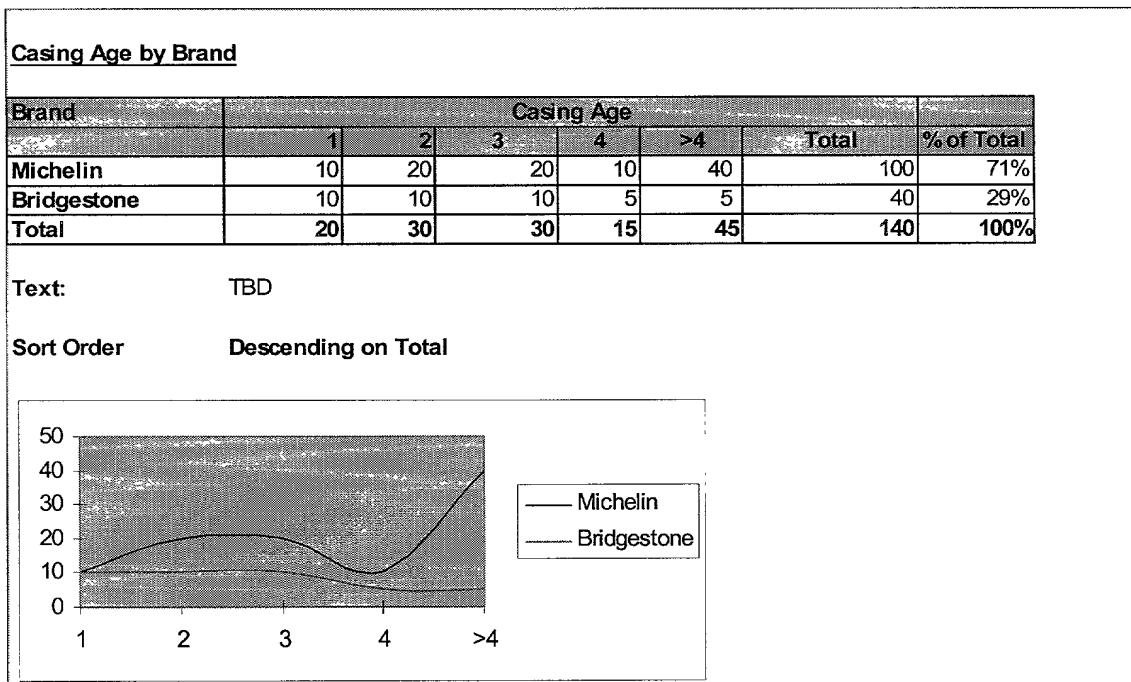
938

FIG. 111



940

FIG. 112



942

FIG. 113

OOS Category by Brand

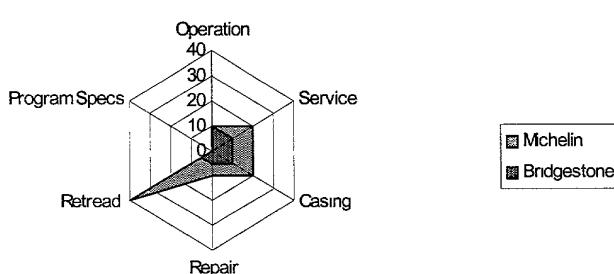
Brand	Out of Service Cause Category						Total	% of Total
	Operation	Service	Casing	Repair	Retread	Program Specs		
Michelin	10	20	20	10	40	0	100	67%
Bridgestone	10	10	10	5	5	0	50	33%
Total	20	30	30	15	45	0	150	100%

Sort Order Descending on Quantity

Text: TBD

Notes:

Would also like to have this by times retreaded if we utilize a multidimensional solution



944

FIG. 114

OOS Cause by Brand

Brand	Out of Service Cause Category						Total	% of Total
	Michelin	Bridgestone	Goodyear	Toyo	Yokohama	General		
Operation	10	20	20	10	40	15	115	100%
Impact Break	5	5	10	1	40	5	66	57%
Break Skid	3	5	5	9	0	5	27	41%
Curbing	2	10	5	0	0	5	22	81%
Service	10	10	10	5	5	0	40	
Detail								
Retread	0	0	0	0	0	0		
Detail								
Repair								
Casing								
Program Spec								
Total	20	30	30	15	45	15	155	

Sort Order Total Cause Code within Total Cause Category Descending

Text: N/A

Notes:

Would also like to have this by times retreaded if we utilize a multidimensional solution

946

FIG. 115

OOS Cause Category by Retread								
Retread Brand	Cure Process	Out of Service Cause Category						
		Operation	Service	Casing	Repair	Retread	Program Specs	Total
Bandag	Cold	10	20	20	10	40	1	101
Maragoni	Hot	10	10	10	5	5	1	41
Maragoni	Cold	10	32	14	5	6	1	68
Total		30	62	44	20	51	3	210

Text: TBD

Sort Order: Descending on Total

Notes:
 Would also like to have this by times retreaded if we utilize a multidimensional solution

Program Specs

Operation 40

Service 20

Casing 20

Repair 10

Retread 5

Legend: Bandag Cold (dark grey), Maragoni Hot (medium grey), Maragoni Cold (light grey)

948

FIG. 116

Casing Age by Retread Brand									
Retread Brand	Cure Process	Casing Age						Total	% of Total
		1	2	3	4	>4			
Bandag	Cold	10	20	20	10	40		100	
Marangoni	Hot	10	10	10	5	5		40	
Marangoni	Cold	5	2	3	6	5		21	
Total		25	32	33	21	50		161	

Sort Order: Descending on Total

Text: TBD

Bandag Cold

Marangoni Hot

Marangoni Cold

950

FIG. 117

Casing Age by Tires Retreaded						
Casing Age	Times Retreaded				Total	% of Total
	0	1	2	>2		
1	99	99	99	99	396	19%
2	99	99	99	99	396	19%
3	99	99	99	99	396	19%
4	297	297	297	5	896	43%
5	2	1	2	2	7	0%
6+	3	2	3	3	11	1%
Total	599	597	599	307	2,102	100%

Sort Order

Text: TBD

Notes:
 Would also like to have this broken out by brand if we utilize a multidimensional solution
 May not need the breakdown of quantity and percentage or may need to add this to other reports

Casing Age	0	1	2	>2
1	~100	~100	~100	~100
2	~100	~100	~100	~100
3	~100	~100	~100	~100
4	~800	~100	~100	~100
5	~100	~100	~100	~100
6+	~100	~100	~100	~100

952

FIG. 118

Casing Collection Note						
	Brand	Tread Design	Tire Size	Tire DOT	Quantity	%
Retreadable					5	11%
	Michelin	UDR	11R22.5	H23T065		
	Michelin	UDR	11R22.5	H23T065		
Repairable					10	22%
	Michelin	UDR	11R22.5	H23T065		
	Michelin	UDR	11R22.5	H23T065		
New Adjustable					10	22%
	etc.					
Retread Adjustable					5	11%
	etc.					
Scrap					15	33%
	etc.					
Total					45	100%

Pick-Up Date: _____

Signature: _____